

Data File : VV013297.D
Acq On : 23 Oct 2019 11:50
Operator : SY/MD
Sample : VSTD20063
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Quant Time: Oct 24 02:27:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1332049	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1242270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	695547	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1597540	191.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	1253530	186.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	2315530	153.01	ug/L	0.00
21) 2-Butanone-d5	3.96	46	2690812	442.18	ug/L	0.00
24) Chloroform-d	4.40	84	3546295	215.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	2103877	209.28	ug/L	0.00
32) Benzene-d6	5.09	84	7347528	218.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	2279044	218.53	ug/L	0.00
41) Toluene-d8	7.36	98	6768932	223.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	1119107	236.25	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	1810194	462.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3019471	222.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	3012395	218.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	2106771	200.167	ug/L	99
3) Chloromethane	1.25	50	1584701	142.410	ug/L	100
5) Vinyl chloride	1.32	62	1633061	151.300	ug/L	98
6) Bromomethane	1.53	94	928150	165.027	ug/L	99
8) Chloroethane	1.60	64	910488	144.518	ug/L	99
9) Trichlorofluoromethane	1.77	101	2308032	165.729	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1261237	154.165	ug/L	98
12) 1,1-Dichloroethene	2.13	96	1215764	153.362	ug/L	94
13) Acetone	2.24	43	1889054	346.860	ug/L	58
14) Carbon disulfide	2.31	76	4332794	181.655	ug/L	100
15) Methyl Acetate	2.47	43	1925214	193.574	ug/L	97
16) Methylene chloride	2.53	84	1866534	190.030	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	1799557	201.044	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	5433210	201.750	ug/L	99
19) 1,1-Dichloroethane	3.23	63	3188402	189.839	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	2000835	197.915	ug/L	99
22) 2-Butanone	4.05	43	3024046	431.624	ug/L	100
23) Bromochloromethane	4.29	128	1071186	206.234	ug/L	95
25) Chloroform	4.42	83	3250535	191.469	ug/L	99
27) 1,2-Dichloroethane	5.18	62	2402488	186.684	ug/L	97
29) Cyclohexane	4.72	56	3029337	205.410	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	2818526	203.611	ug/L	99
31) Carbon tetrachloride	4.87	117	2581747	209.298	ug/L	100
33) Benzene	5.14	78	7312425	194.151	ug/L	100
34) Trichloroethene	5.96	95	1951994	195.252	ug/L	99
35) Methylcyclohexane	6.17	83	3231538	212.917	ug/L	99
37) 1,2-Dichloropropane	6.22	63	1862221	191.897	ug/L	100
38) Bromodichloromethane	6.55	83	2481373	199.633	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	3089404	215.419	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	5092432	407.314	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	7633566	197.048	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	2662755	214.486	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	1819378	196.732	ug/L	99
46) Tetrachloroethene	8.02	164	1758020	217.307	ug/L	99
48) 2-Hexanone	8.18	43	4037056	409.992	ug/L	97
49) Dibromochloromethane	8.29	129	2191365	215.581	ug/L	99
50) 1,2-Dibromoethane	8.39	107	2009733	206.653	ug/L	98
51) Chlorobenzene	8.92	112	5156229	201.504	ug/L	98
52) Ethylbenzene	9.05	91	8442189	203.886	ug/L	97
53) m,p-Xylene	9.18	106	3411951	217.736	ug/L	96
54) o-xylene	9.58	106	3343794	214.258	ug/L	95
55) Styrene	9.60	104	5716389	221.094	ug/L	100
56) Isopropylbenzene	9.97	105	8446860	210.638	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	2832007	208.521	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	2285698	193.266	ug/L	100
61) Bromoform	9.77	173	1789346	204.922	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	4382877	195.184	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	4446564	196.776	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	4441367	194.388	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	643061	196.092	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	3564826	220.872	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	3253965	235.699	ug/L	100
69) Naphthalene	13.55	128	8996924	236.995	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	3274235	221.476	ug/L	100

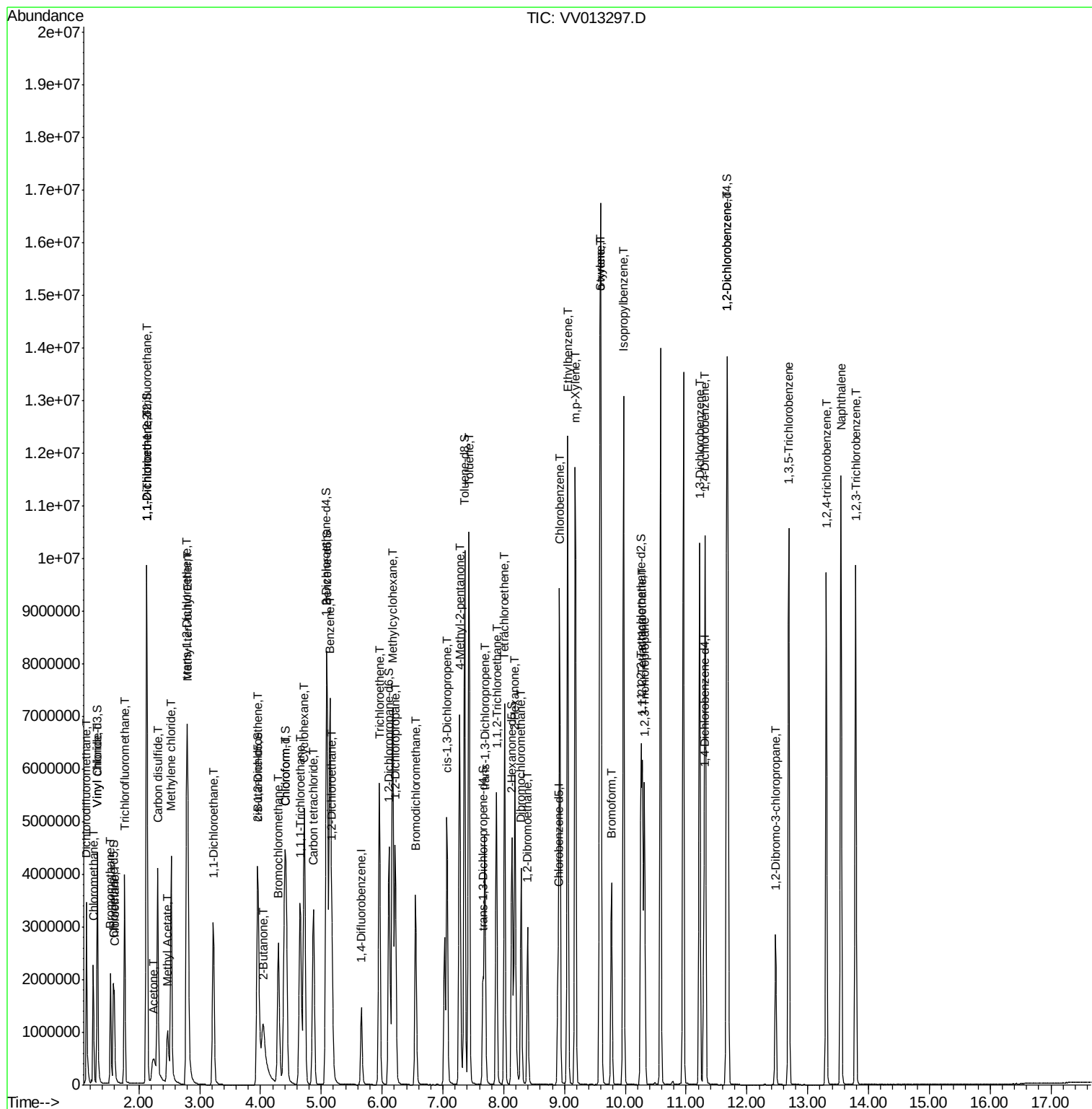
(#) = qualifier out of range (m) = manual integration (+) = signals summed

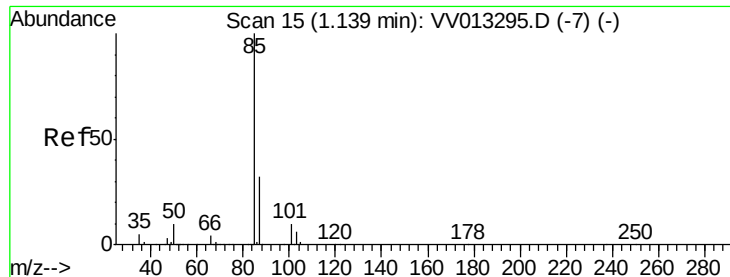
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#2

Dichlorodifluoromethane

Concen: 200.167 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

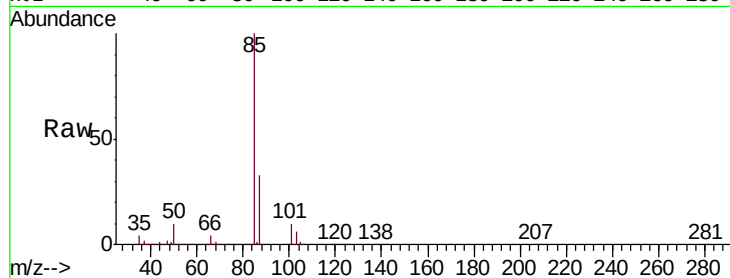
VSTD20063

Tgt Ion: 85 Resp: 2106771

Ion Ratio Lower Upper

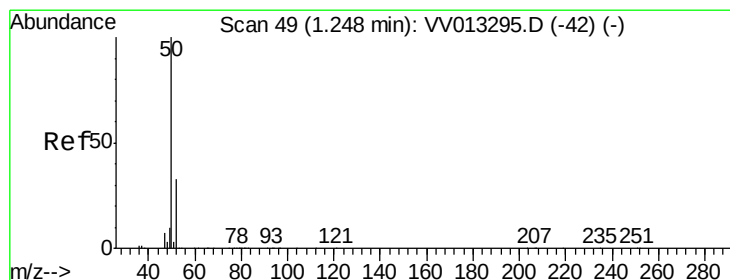
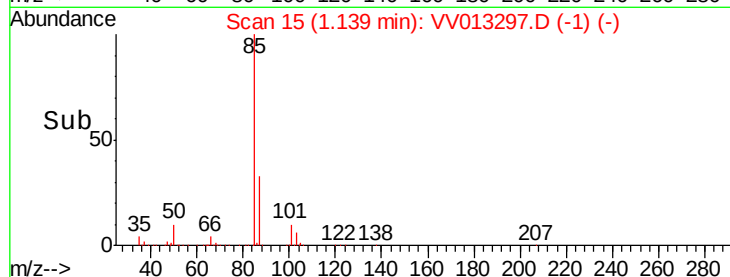
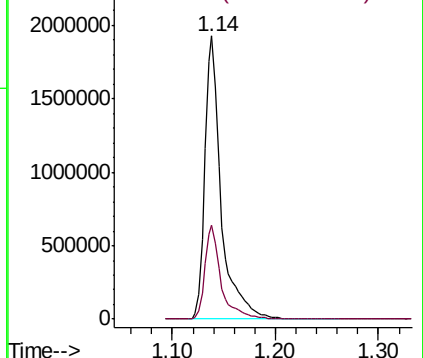
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 142.410 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013297.D

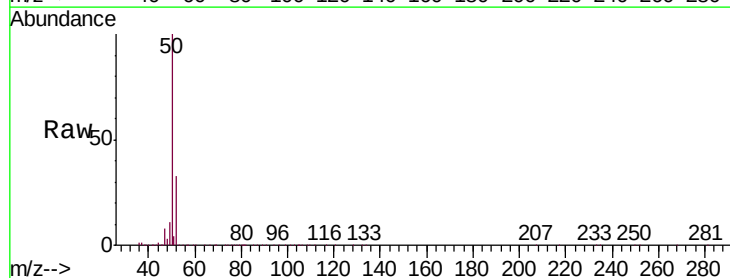
Acq: 23 Oct 2019 11:50

Tgt Ion: 50 Resp: 1584701

Ion Ratio Lower Upper

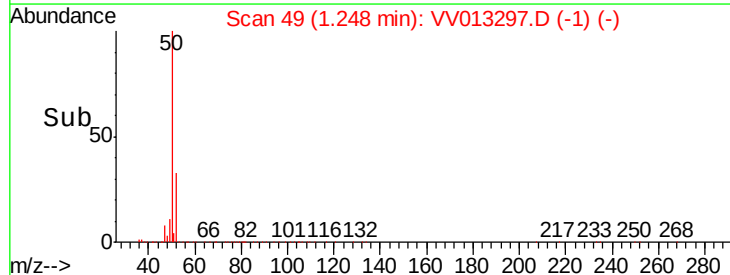
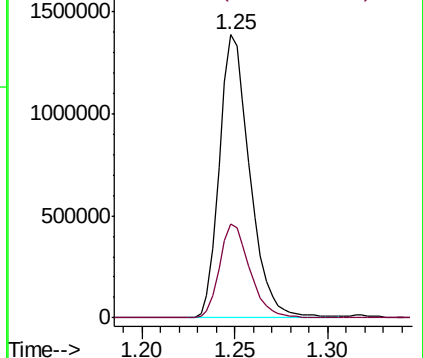
50 100

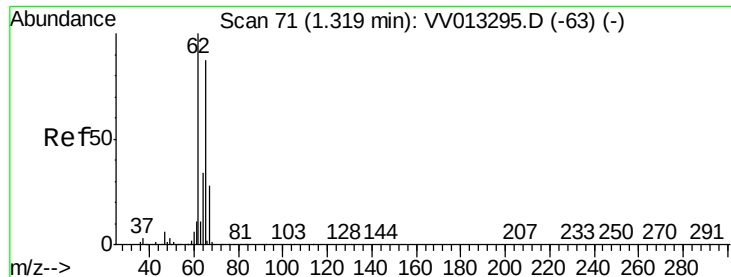
52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 151.300 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

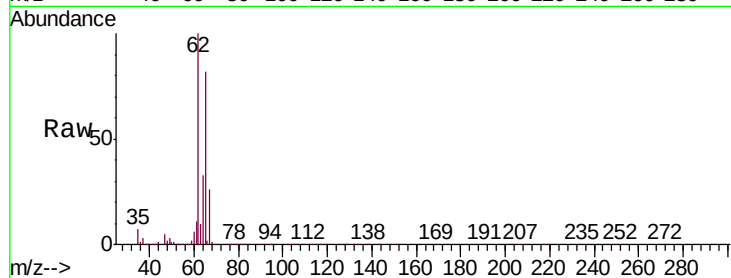
MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion: 62 Resp: 1633061

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.9	44.3



Abundance Ion 62.00 (61.70 to 62.70): VV013297.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV013297.D (-63) (-)

1.32

1500000

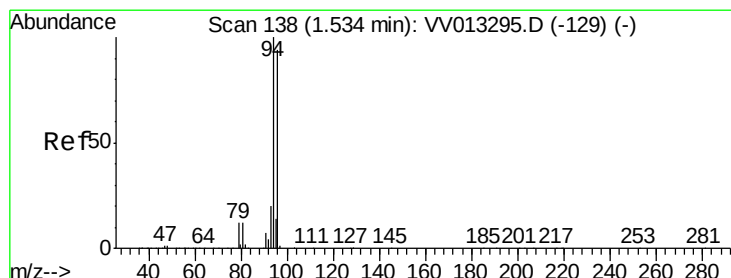
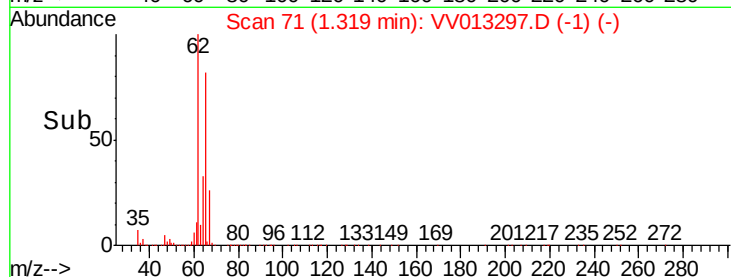
1000000

500000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 165.027 ug/L

RT: 1.53 min Scan# 138

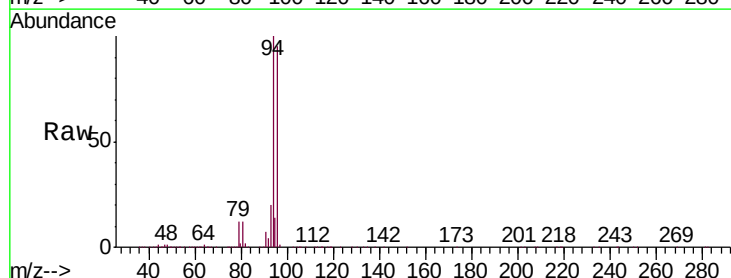
Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Tgt Ion: 94 Resp: 928150

Ion	Ratio	Lower	Upper
94	100		
96	94.9	65.7	121.9



Abundance Ion 94.00 (93.70 to 94.70): VV013297.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV013297.D (-129) (-)

1.53

800000

600000

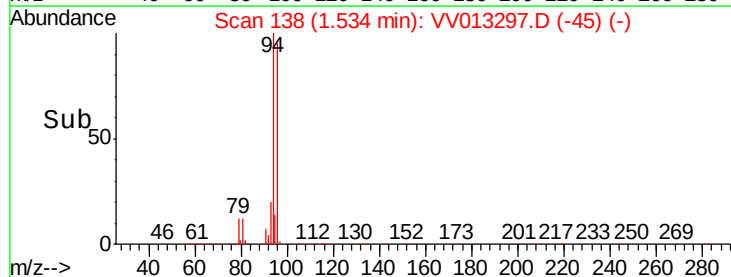
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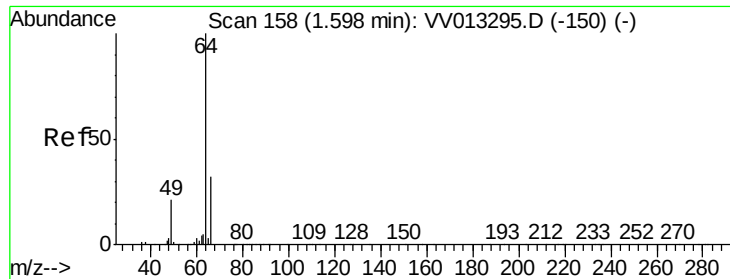
200000

0

1.45 1.50 1.55 1.60 1.65

Time-->

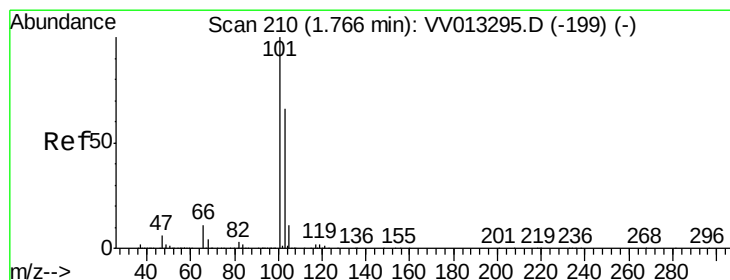
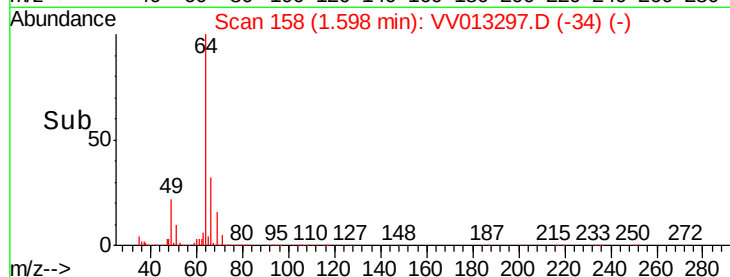
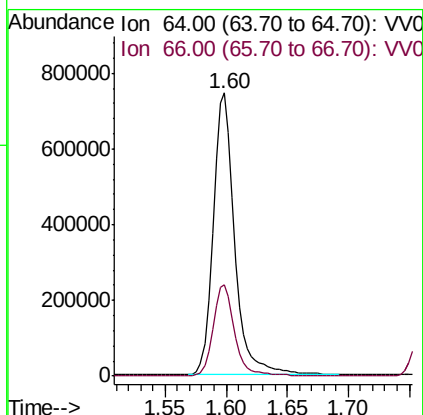
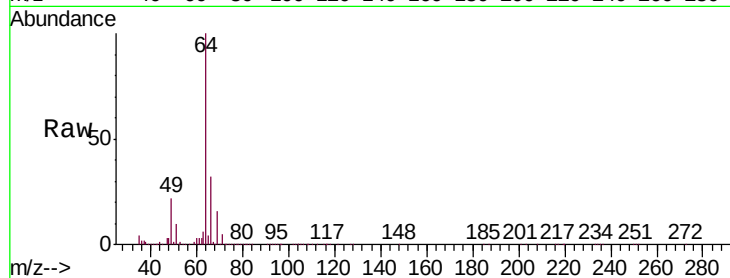




#8
Chloroethane
Concen: 144.518 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

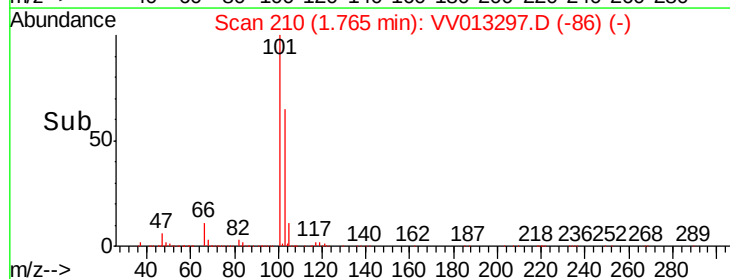
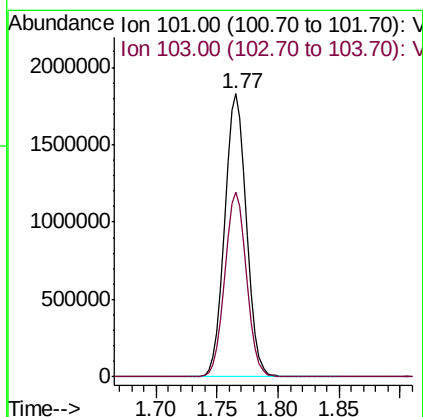
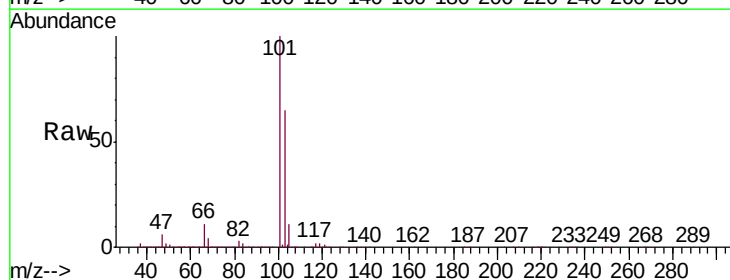
Instrument :
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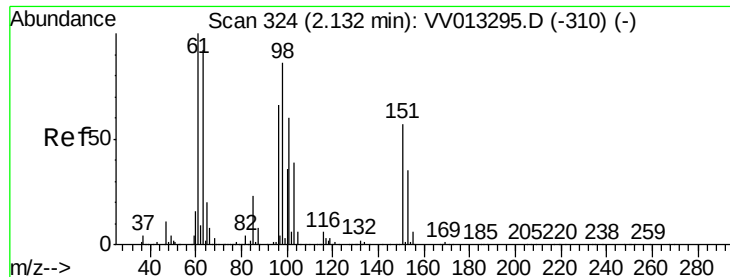
Tgt Ion: 64 Resp: 910488
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 165.729 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 101 Resp: 2308032
Ion Ratio Lower Upper
101 100
103 65.2 53.0 79.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 154.165 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

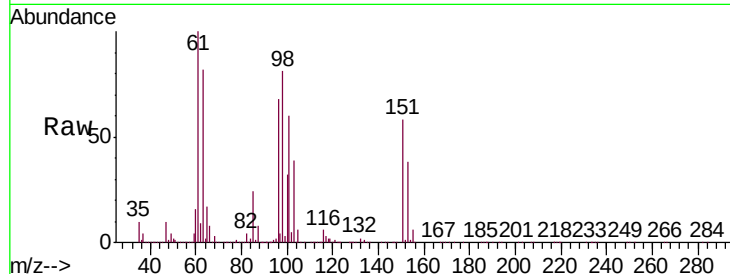
Tgt Ion:101 Resp: 1261237

Ion Ratio Lower Upper

101 100

85 38.8 31.4 47.2

151 95.2 74.6 112.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.13

800000

600000

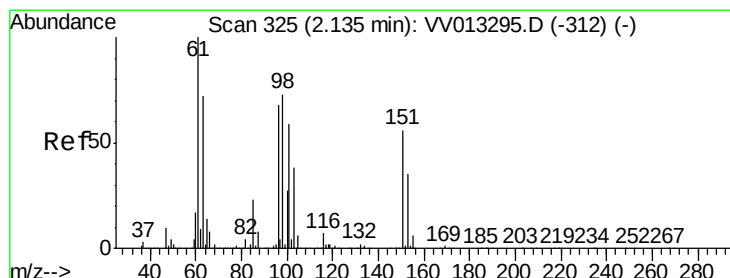
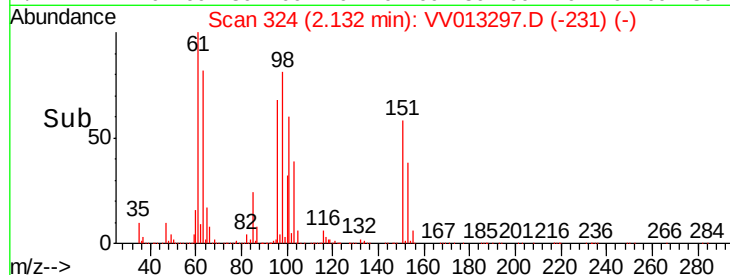
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200000

0

Time-->

2.10 2.20 2.30



#12

1,1-Dichloroethene

Concen: 153.362 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

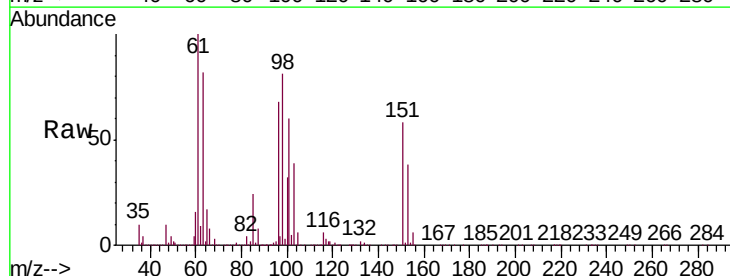
Tgt Ion: 96 Resp: 1215764

Ion Ratio Lower Upper

96 100

61 147.1 103.3 191.8

63 120.3 74.8 138.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

2000000

1500000

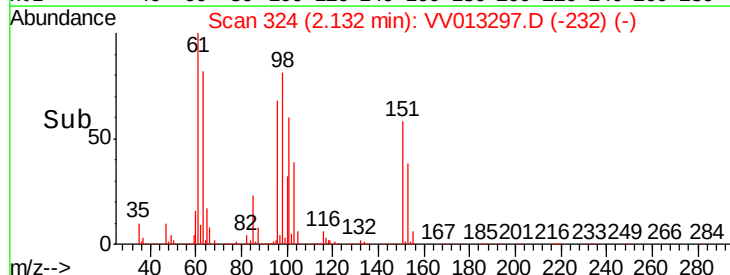
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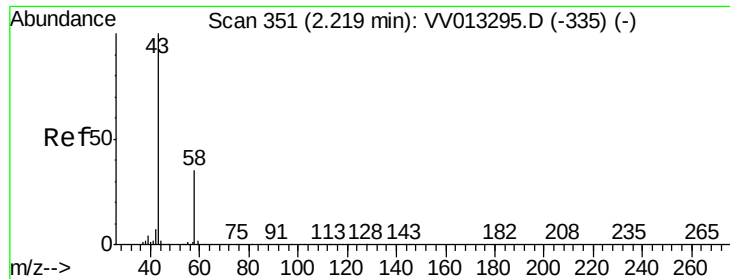
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0

Time-->

2.10 2.20





#13

Acetone

Concen: 346.860 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.02 min

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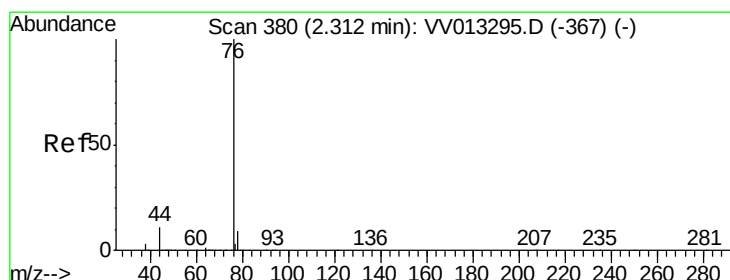
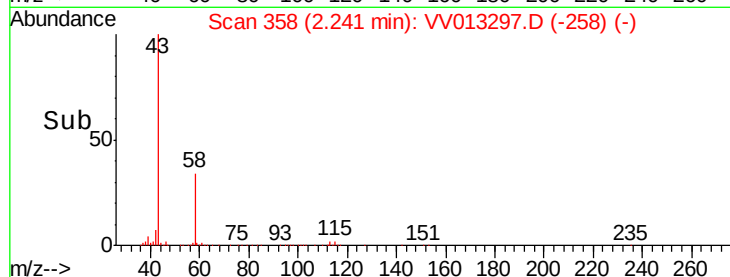
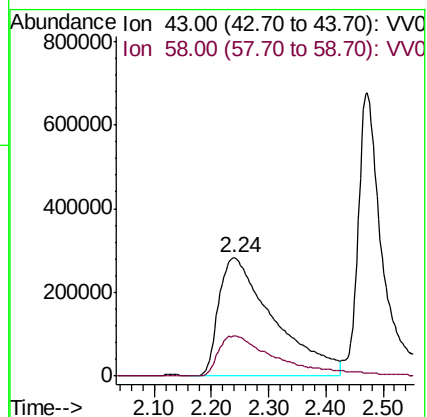
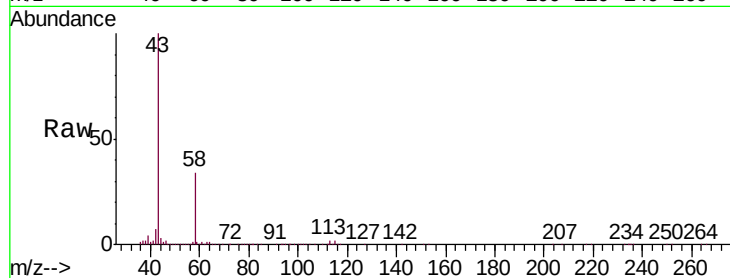
VSTD20063

Tgt Ion: 43 Resp: 1889054

Ion Ratio Lower Upper

43 100

58 8.3 0.0 64.0



#14

Carbon disulfide

Concen: 181.655 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013297.D

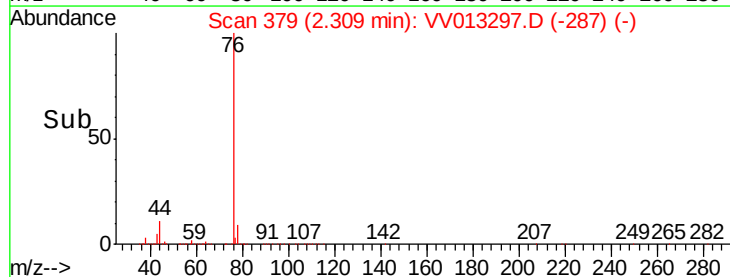
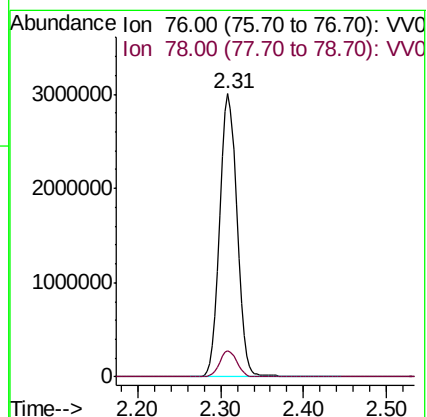
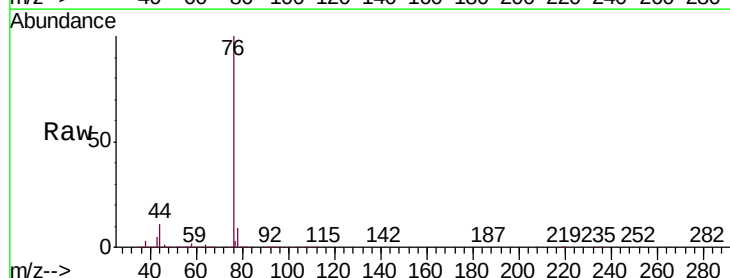
Acq: 23 Oct 2019 11:50

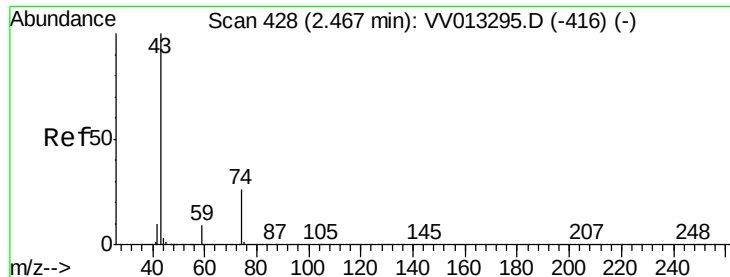
Tgt Ion: 76 Resp: 4332794

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

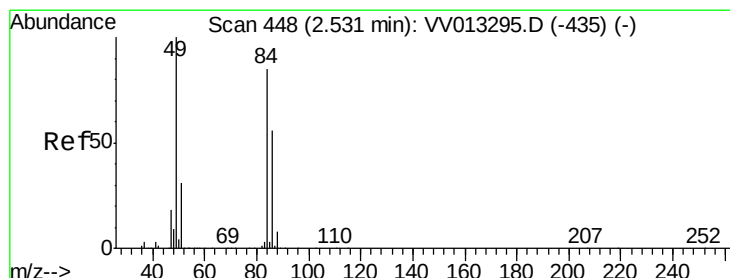
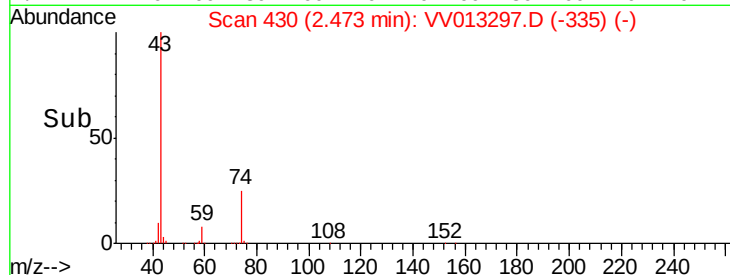
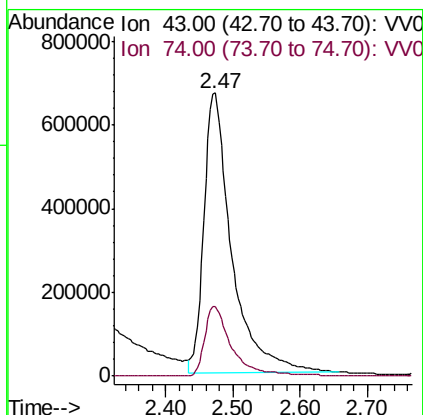
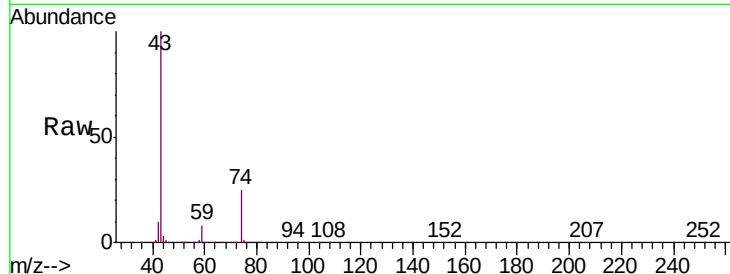




#15
Methyl Acetate
Concen: 193.574 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

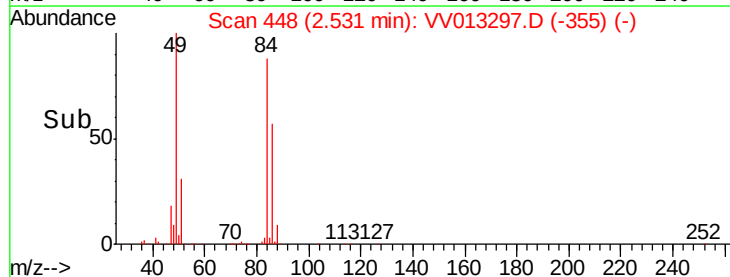
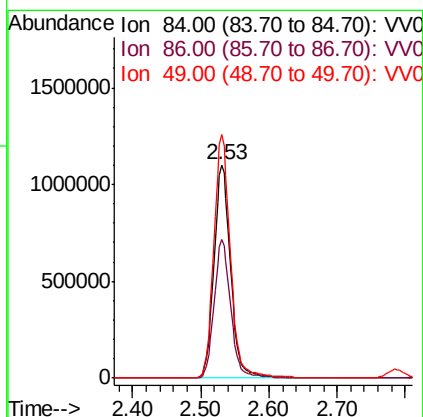
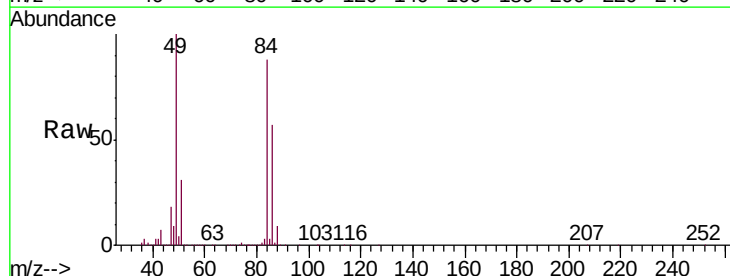
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

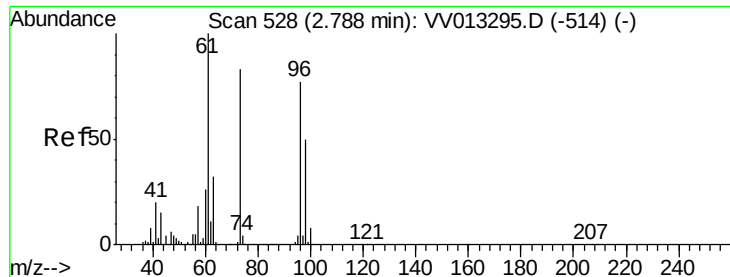
Tgt Ion: 43 Resp: 1925214
Ion Ratio Lower Upper
43 100
74 24.5 20.6 31.0



#16
Methylene chloride
Concen: 190.030 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 84 Resp: 1866534
Ion Ratio Lower Upper
84 100
86 64.7 46.2 85.8
49 114.2 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 201.044 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

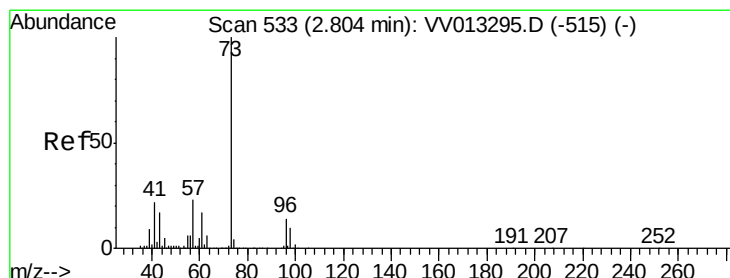
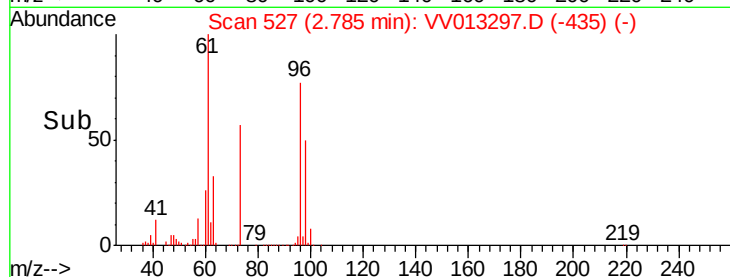
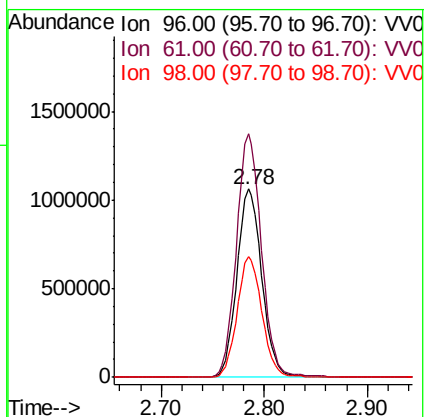
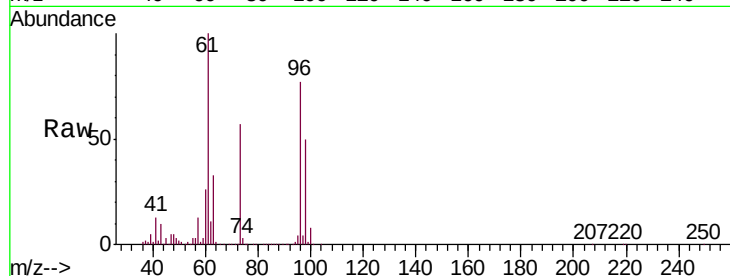
Tgt Ion: 96 Resp: 1799557

Ion Ratio Lower Upper

96 100

61 129.2 91.2 169.4

98 64.0 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 201.750 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

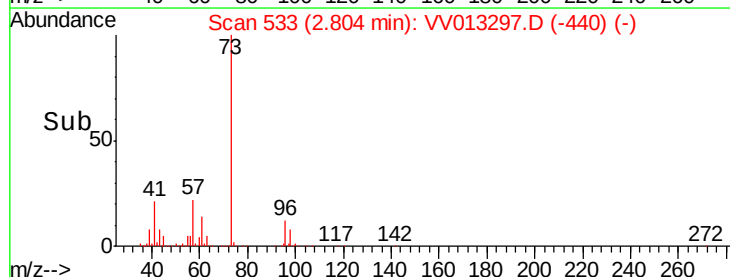
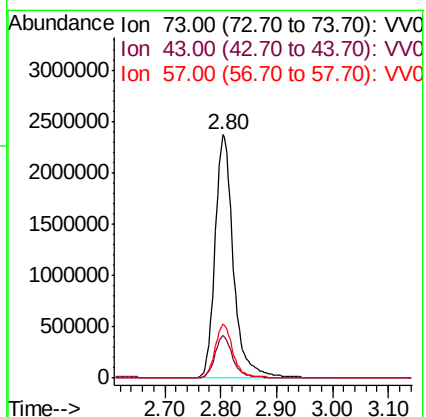
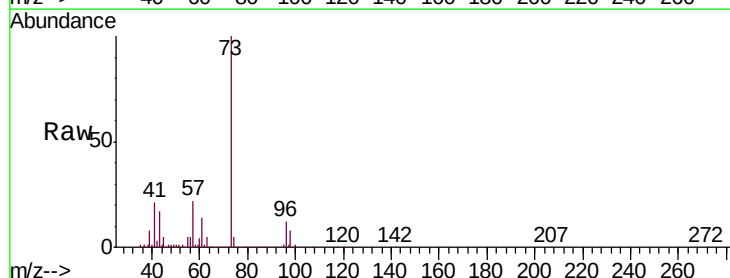
Tgt Ion: 73 Resp: 5433210

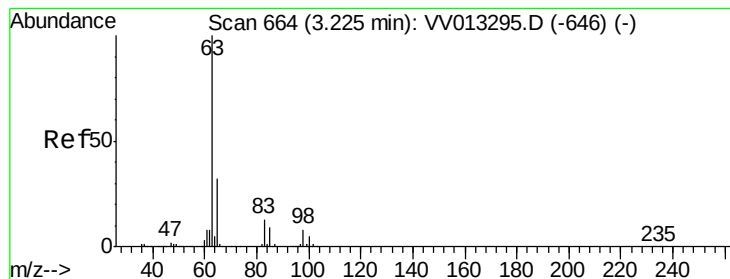
Ion Ratio Lower Upper

73 100

43 17.0 14.2 21.2

57 21.8 17.6 26.4





#19

1,1-Dichloroethane

Concen: 189.839 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

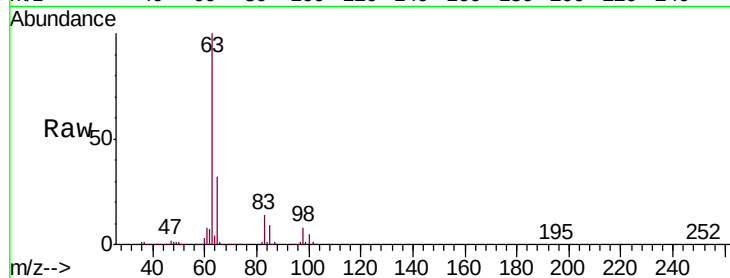
Tgt Ion: 63 Resp: 3188402

Ion Ratio Lower Upper

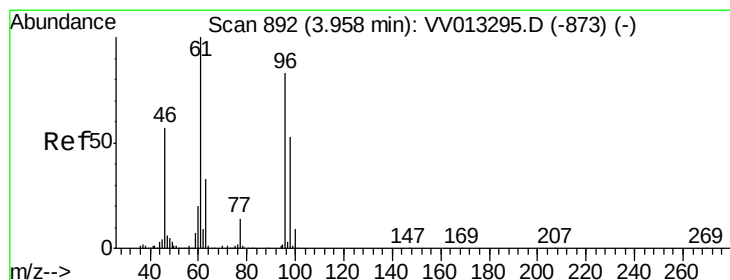
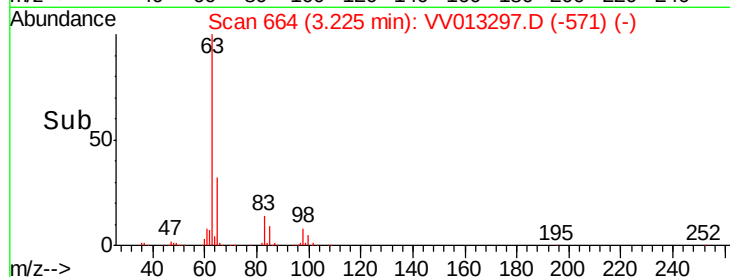
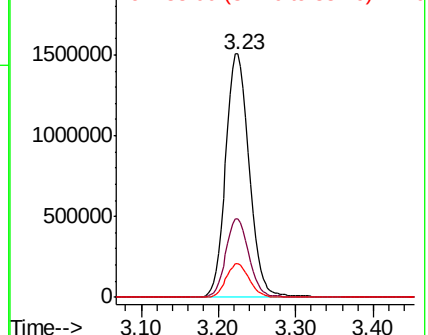
63 100

65 32.2 22.5 41.7

83 13.9 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 197.915 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

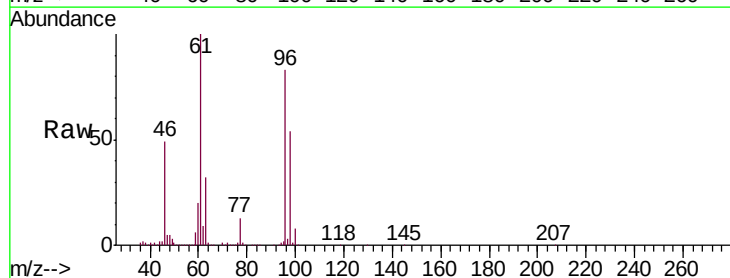
Tgt Ion: 96 Resp: 2000835

Ion Ratio Lower Upper

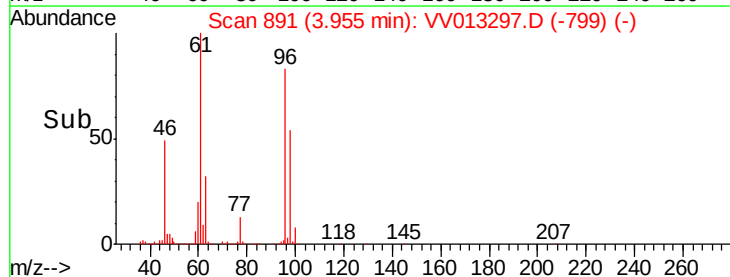
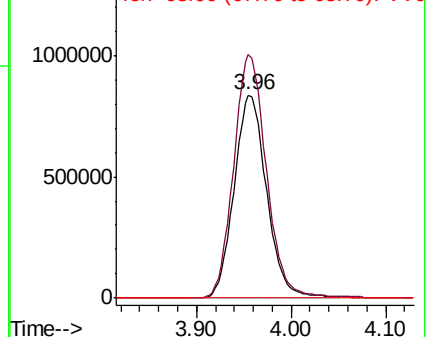
96 100

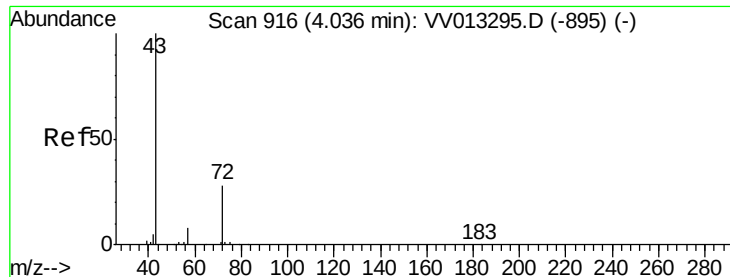
61 120.1 84.8 157.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 431.624 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

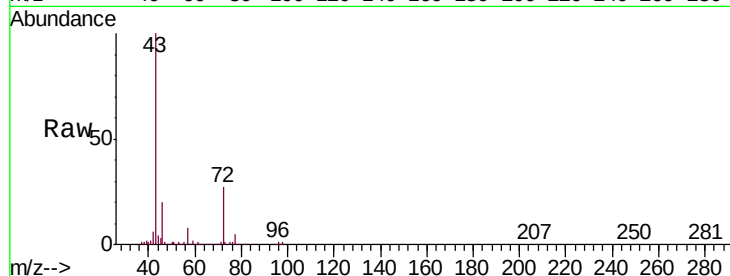
VSTD20063

Tgt Ion: 43 Resp: 3024046

Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV013297.D (-916) (-)

Ion 72.00 (71.70 to 72.70): VV013297.D (-916) (-)

4.05

600000

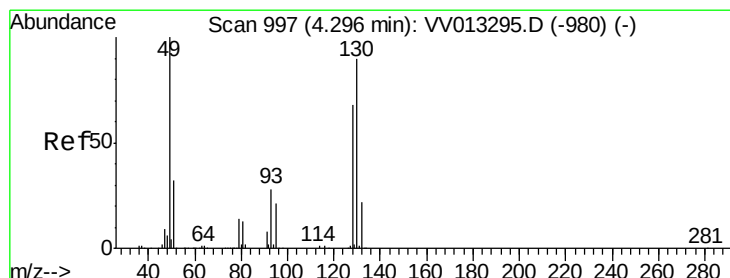
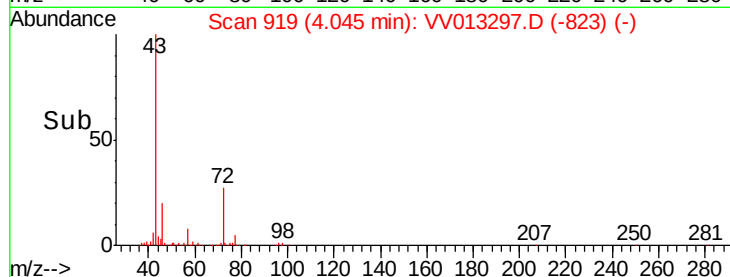
400000

200000

0

3.80 4.00 4.20 4.40

Time-->



#23

Bromochloromethane

Concen: 206.234 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Tgt Ion: 128 Resp: 1071186

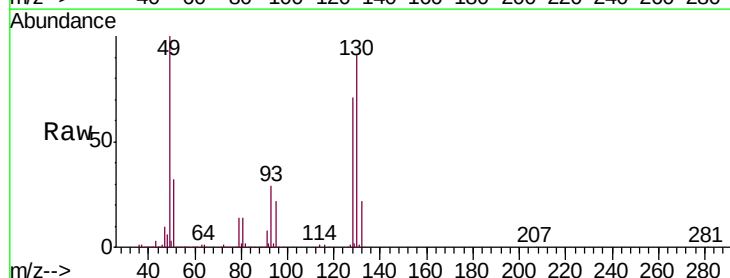
Ion Ratio Lower Upper

128 100

49 140.0 103.1 191.5

130 127.4 92.5 171.7

51 44.2 37.6 56.4



Abundance Ion 128.00 (127.70 to 128.70): VV013297.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV013297.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV013297.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV013297.D (-997) (-)

4.29

800000

600000

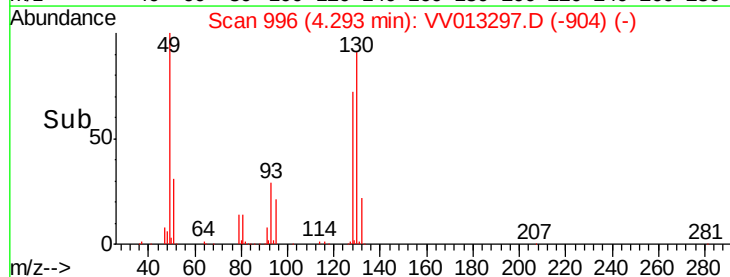
400000

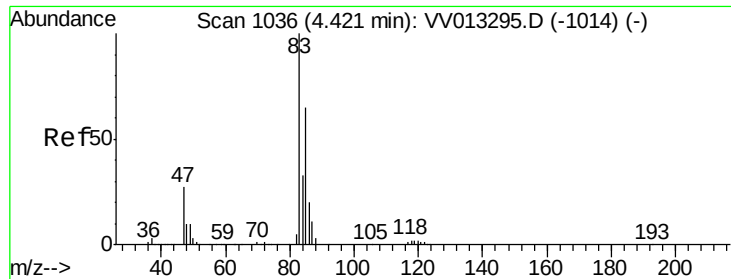
200000

0

4.20 4.30 4.40

Time-->

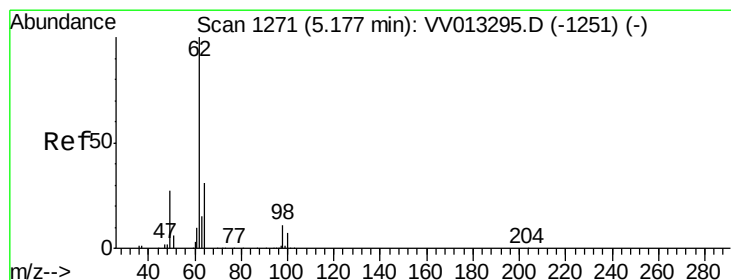
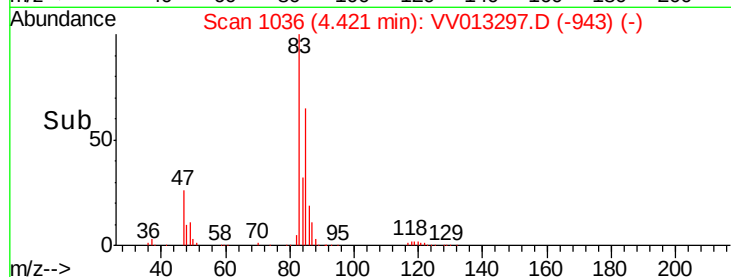
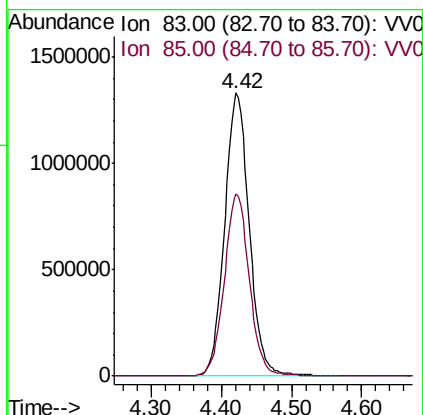
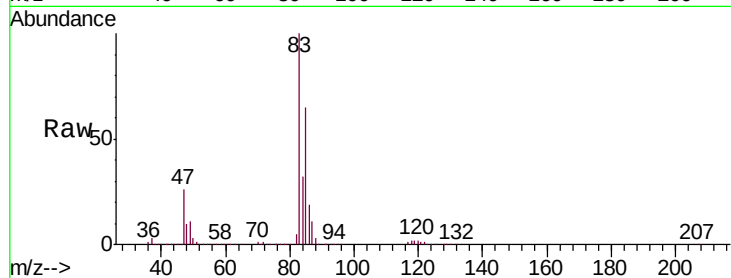




#25
Chloroform
Concen: 191.469 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

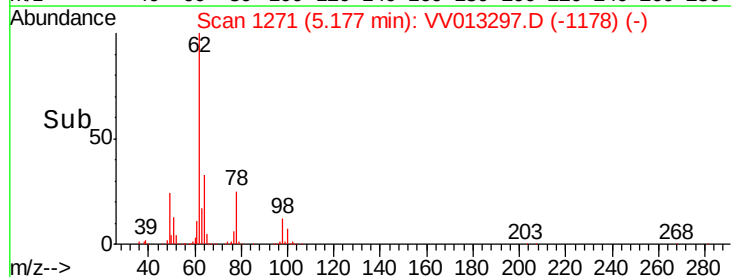
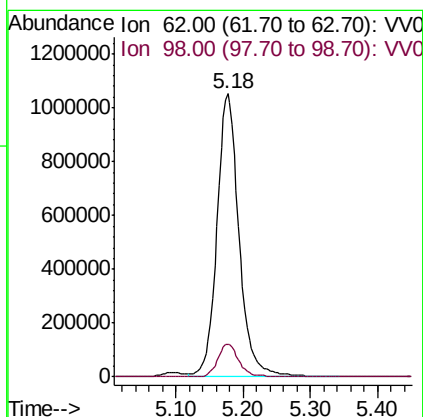
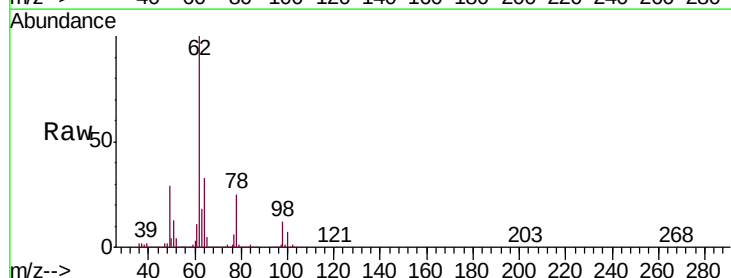
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

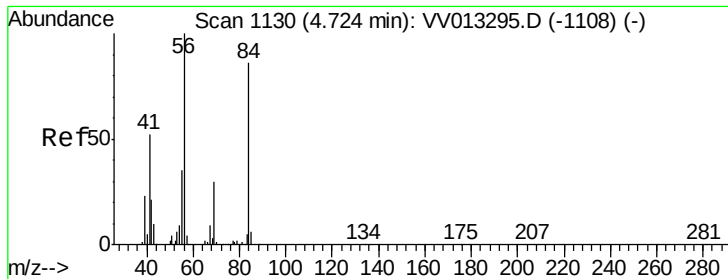
Tgt Ion: 83 Resp: 3250535
Ion Ratio Lower Upper
83 100
85 64.6 45.8 85.0



#27
1,2-Dichloroethane
Concen: 186.684 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 62 Resp: 2402488
Ion Ratio Lower Upper
62 100
98 11.6 8.5 12.7

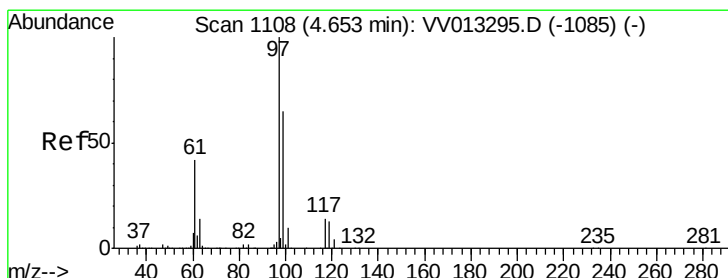
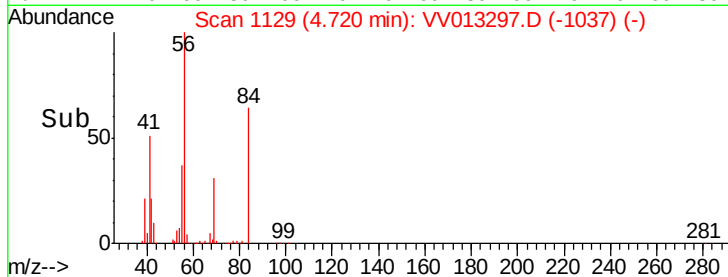
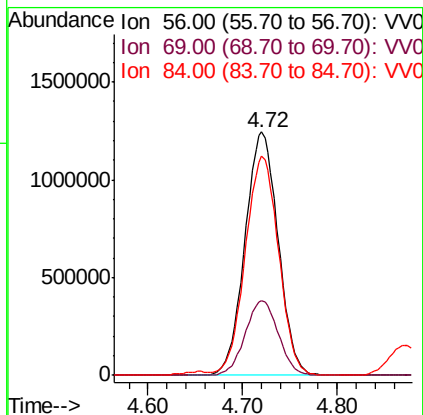
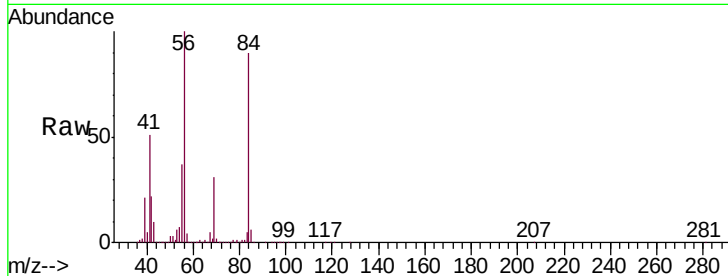




#29
Cyclohexane
Concen: 205.410 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

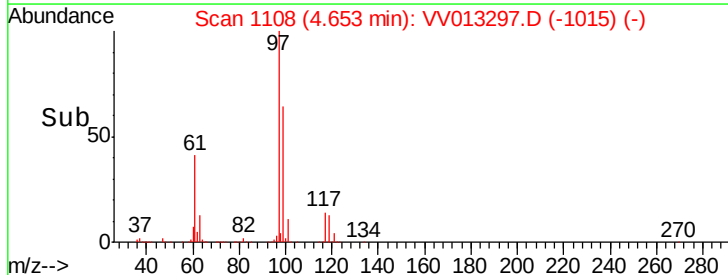
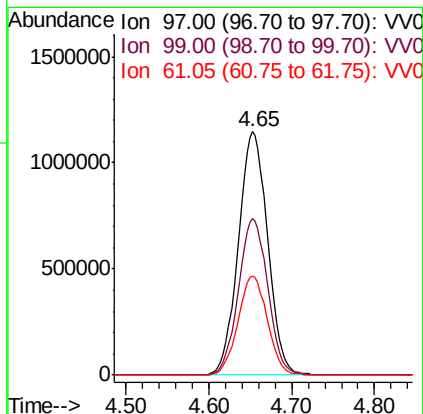
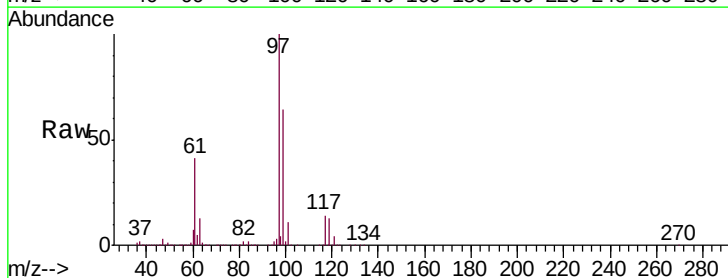
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

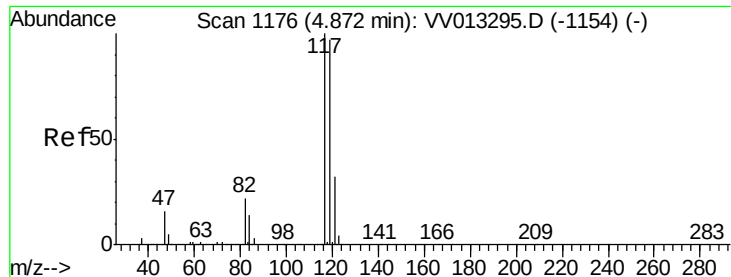
Tgt Ion: 56 Resp: 3029337
Ion Ratio Lower Upper
56 100
69 30.8 24.4 36.6
84 90.7 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 203.611 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 97 Resp: 2818526
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 41.0 33.2 49.8





#31

Carbon tetrachloride

Concen: 209.298 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

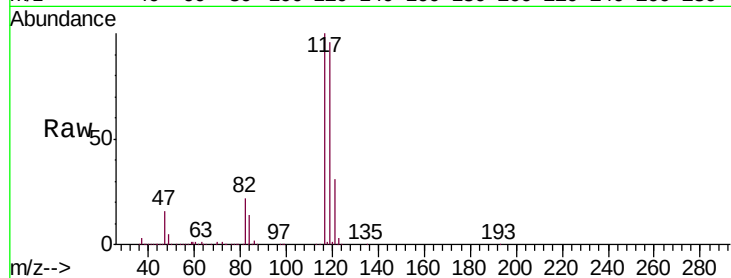
VSTD20063

Tgt Ion:117 Resp: 2581747

Ion Ratio Lower Upper

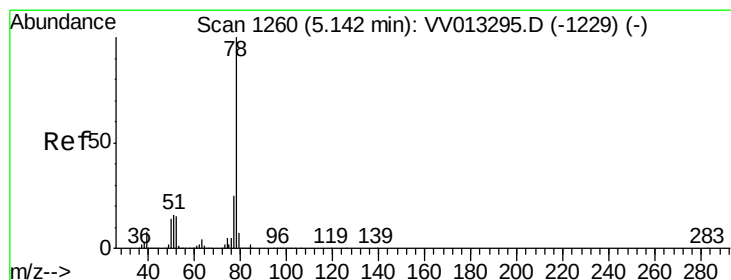
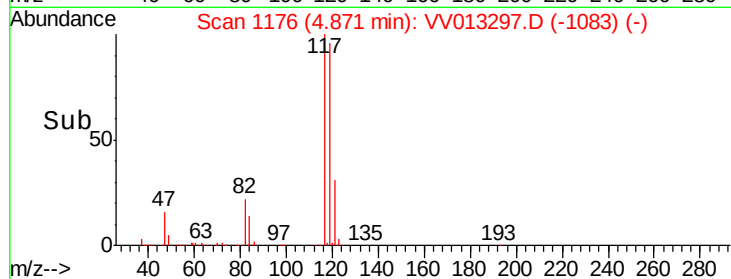
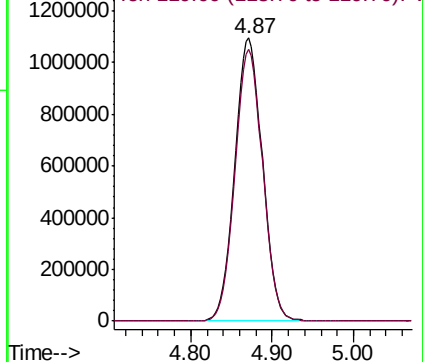
117 100

119 96.0 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 194.151 ug/L

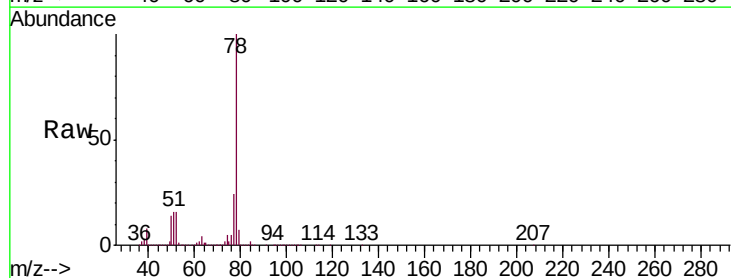
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

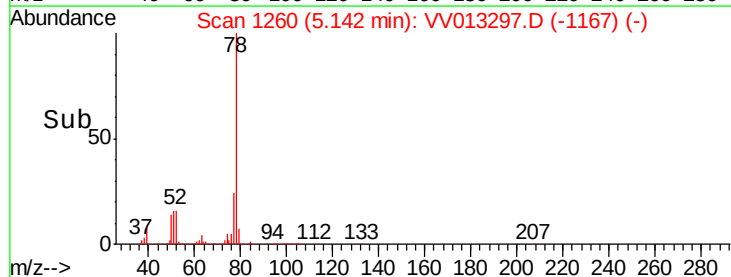
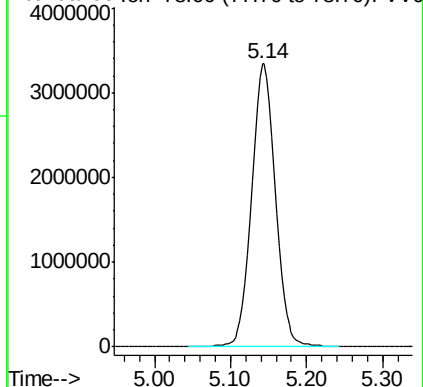
Lab File: VV013297.D

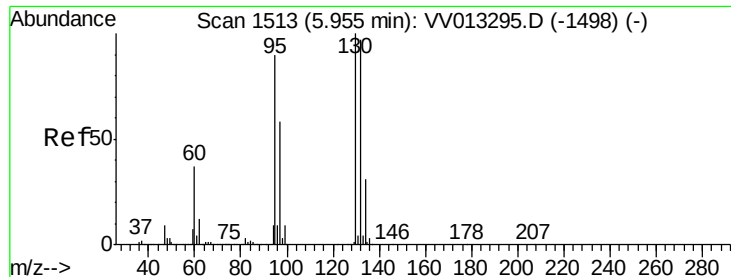
Acq: 23 Oct 2019 11:50

Tgt Ion: 78 Resp: 7312425



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 195.252 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion: 95 Resp: 1951994

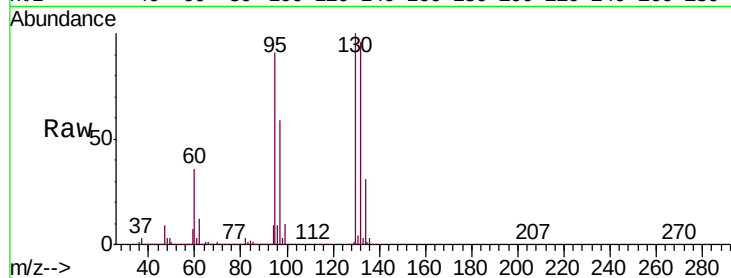
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 105.5 75.5 140.1

130 109.9 77.7 144.3

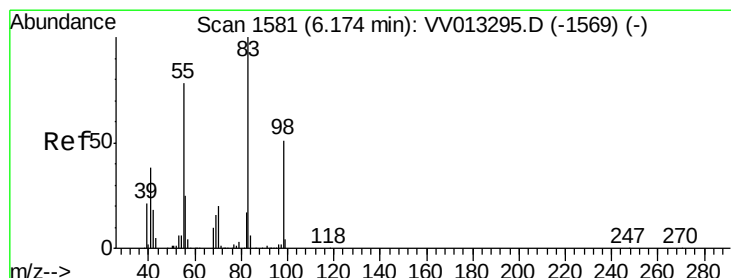
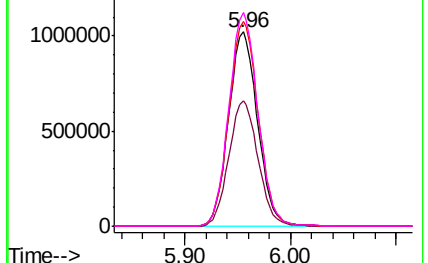
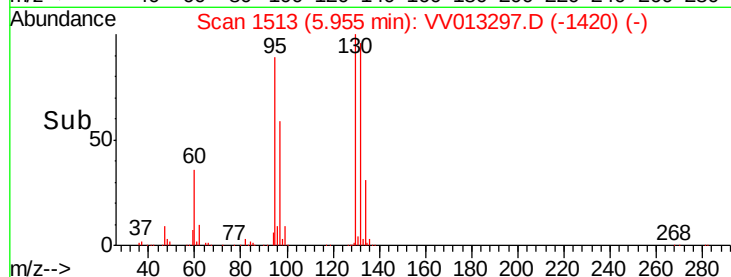


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 212.917 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

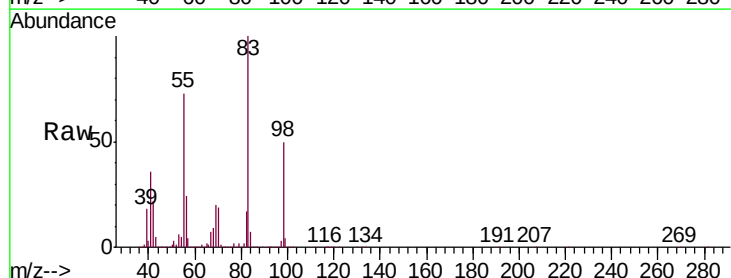
Tgt Ion: 83 Resp: 3231538

Ion Ratio Lower Upper

83 100

55 72.2 59.0 88.4

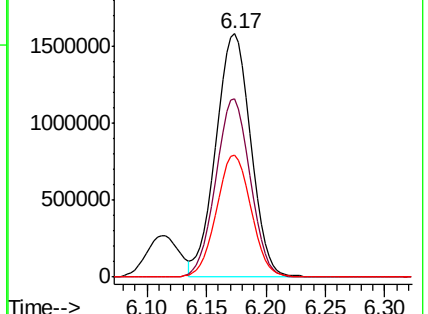
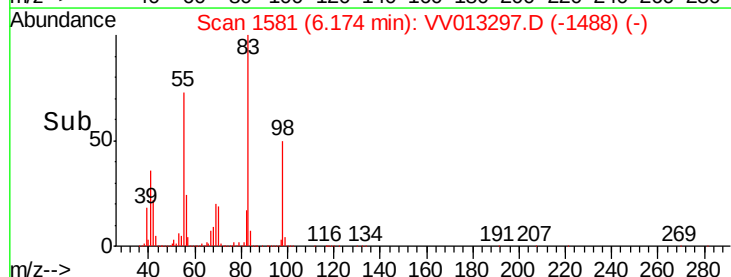
98 49.8 39.3 58.9

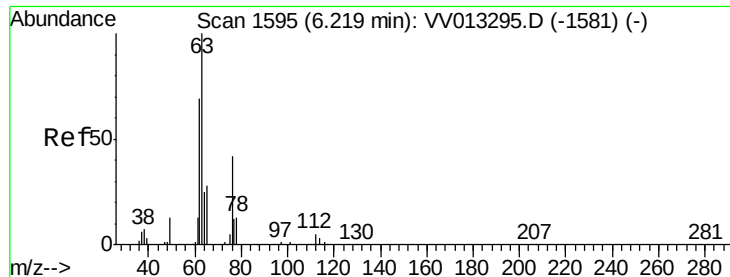


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

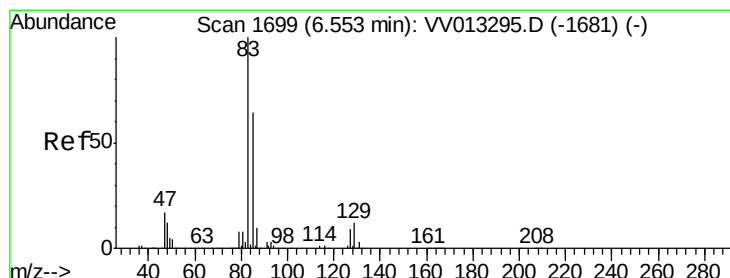
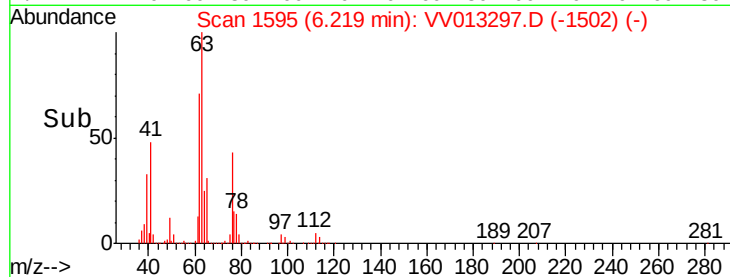
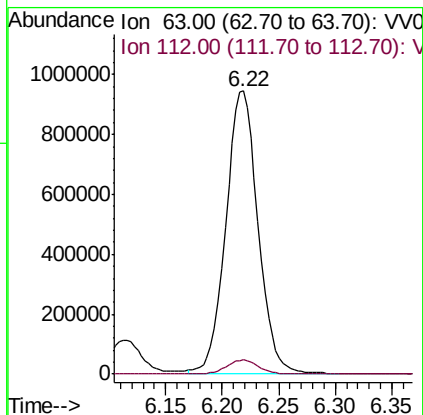
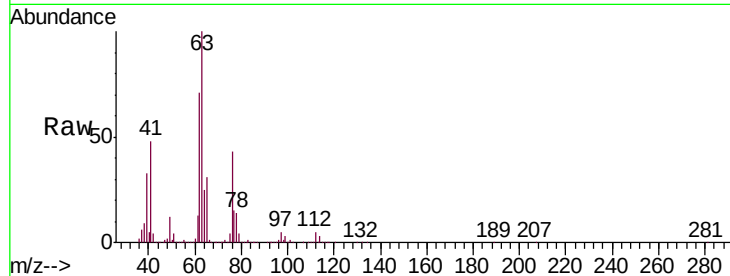




#37
 1,2-Dichloropropane
 Concen: 191.897 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

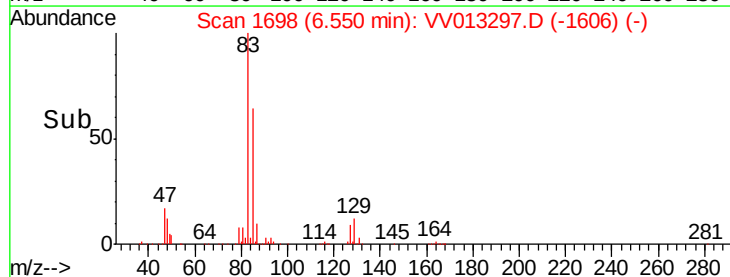
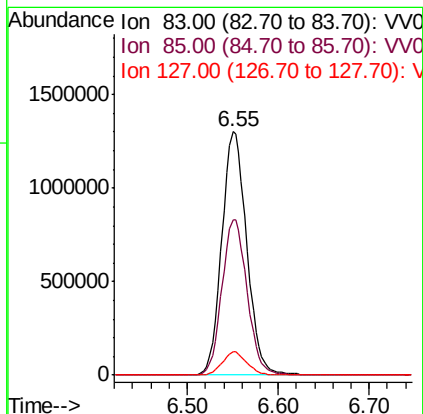
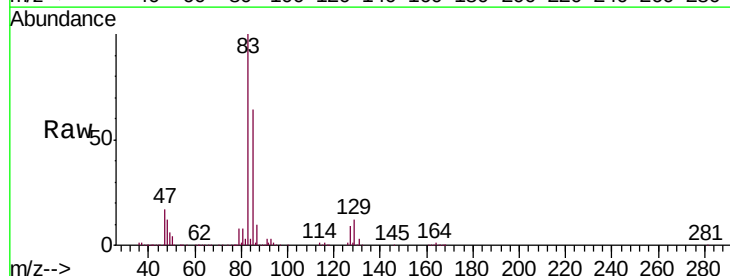
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

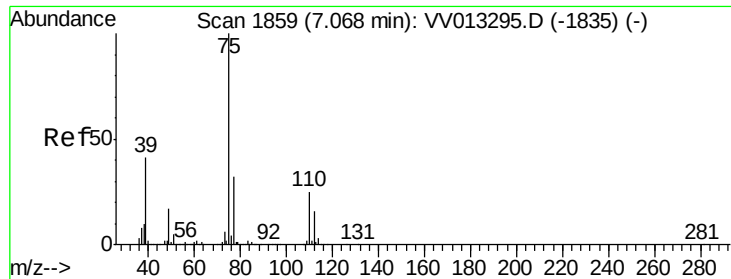
Tgt Ion: 63 Resp: 1862221
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#38
 Bromodichloromethane
 Concen: 199.633 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Tgt Ion: 83 Resp: 2481373
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 82.8
 127 9.4 7.4 11.2



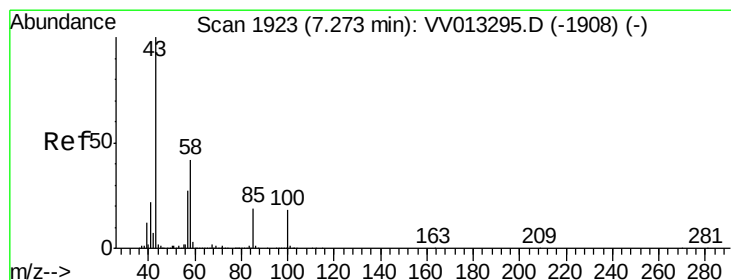
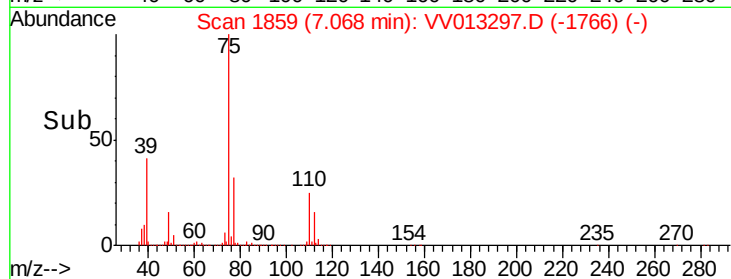
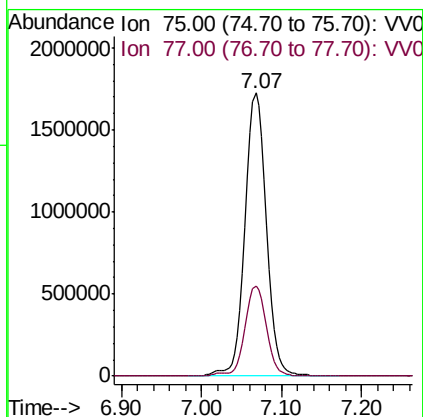
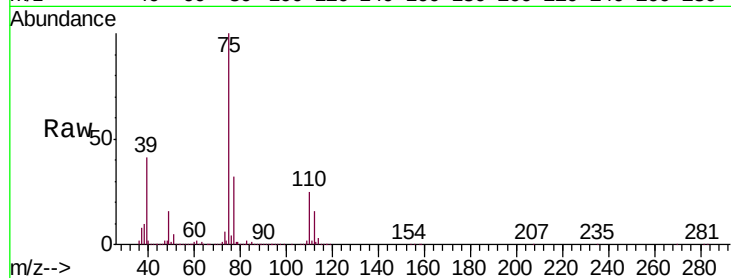


#39

cis-1,3-Dichloropropene
Concen: 215.419 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

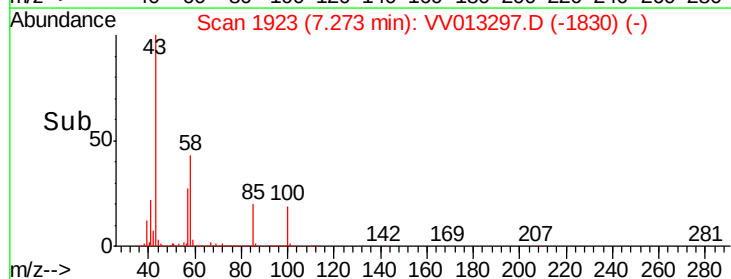
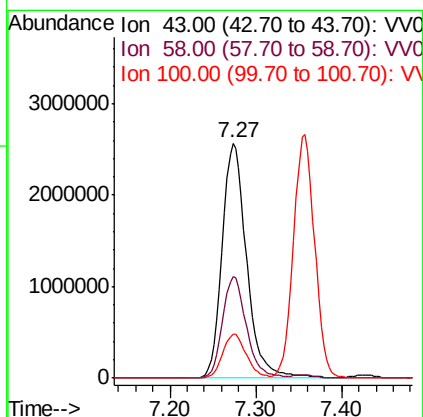
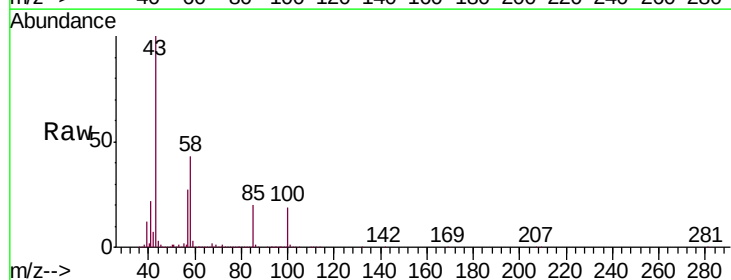
Tgt Ion: 75 Resp: 3089404
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2

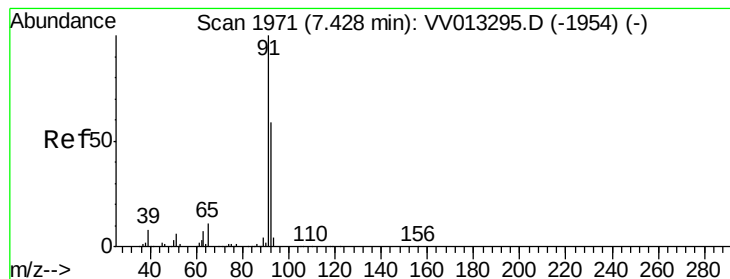


#40

4-Methyl-2-pentanone
Concen: 407.314 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 43 Resp: 5092432
Ion Ratio Lower Upper
43 100
58 42.3 33.0 49.4
100 18.0 13.8 20.6





#42

Toluene

Concen: 197.048 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

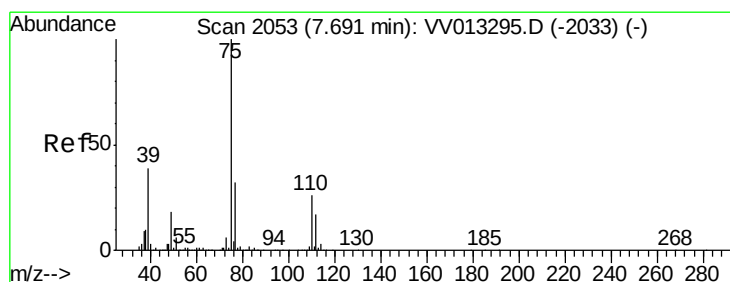
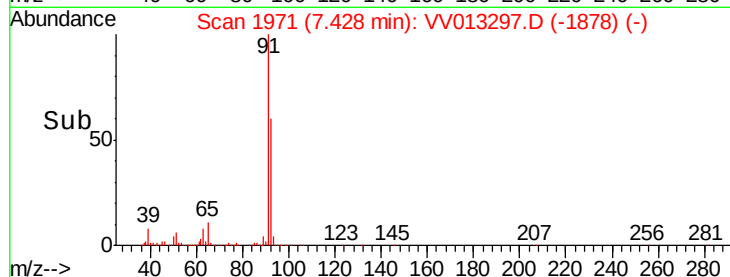
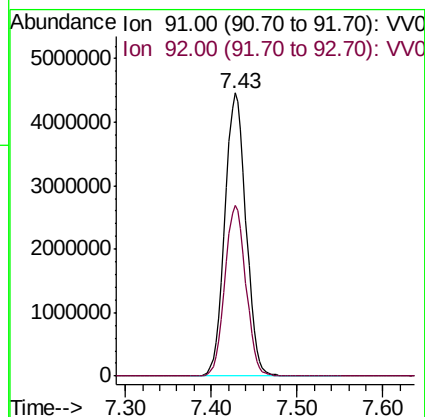
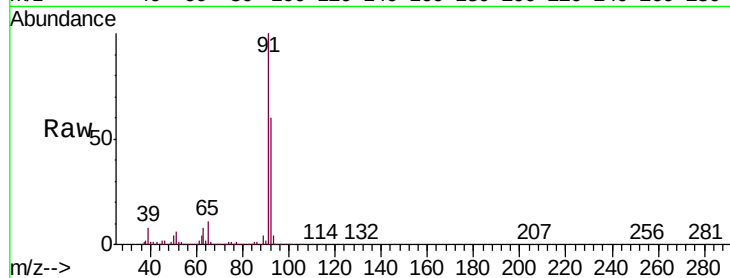
VSTD20063

Tgt Ion: 91 Resp: 7633566

Ion Ratio Lower Upper

91 100

92 60.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 214.486 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013297.D

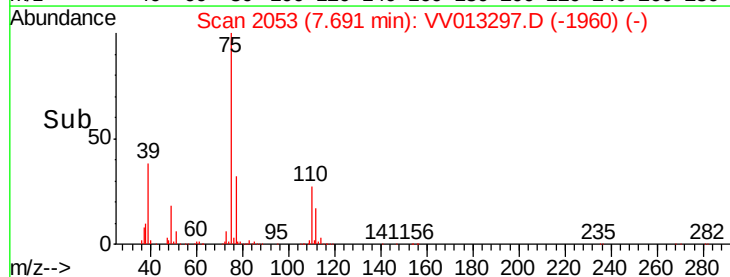
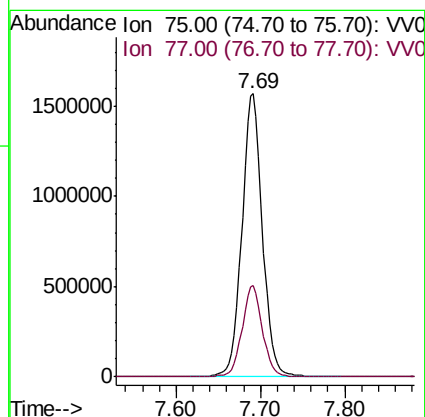
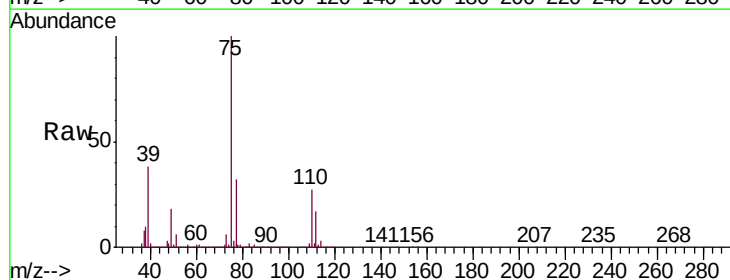
Acq: 23 Oct 2019 11:50

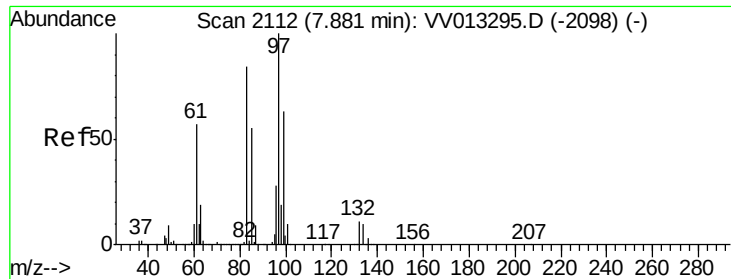
Tgt Ion: 75 Resp: 2662755

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



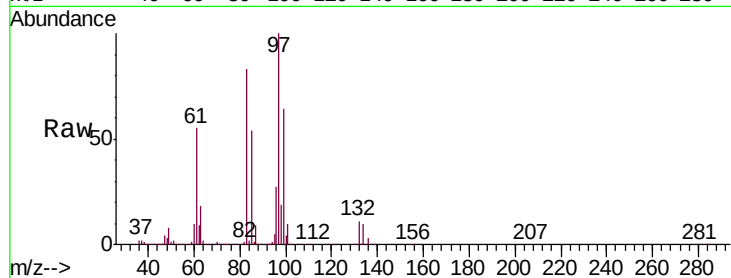


#45
 1,1,2-Trichloroethane
 Concen: 196.732 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tgt Ion: 97 Resp: 1819378

Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.1	81.9
83	83.4	58.9	109.3
85	54.1	38.6	71.8



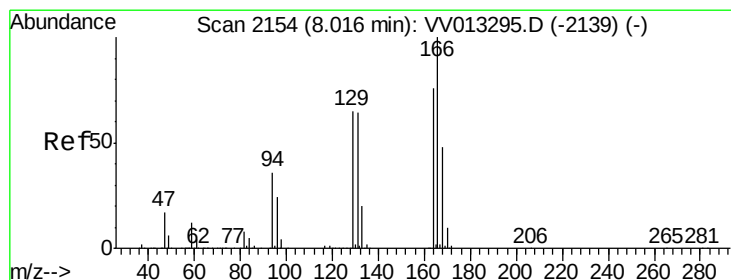
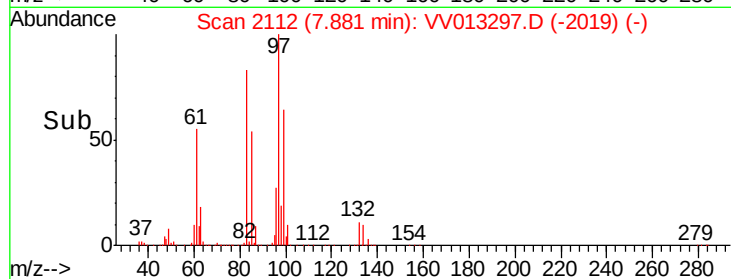
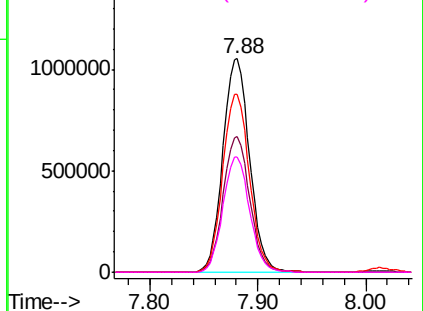
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 217.307 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Tgt Ion: 164 Resp: 1758020

Ion	Ratio	Lower	Upper
164	100		
129	84.8	59.7	110.9
131	83.3	59.2	110.0
166	130.1	92.0	170.9

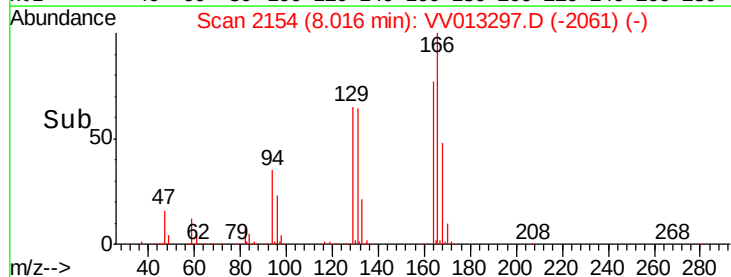
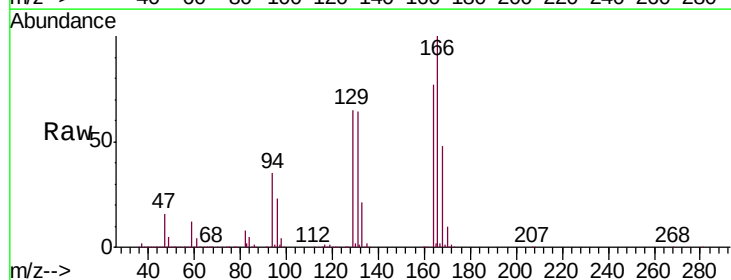
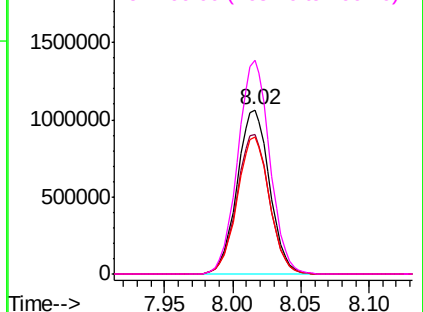
Abundance

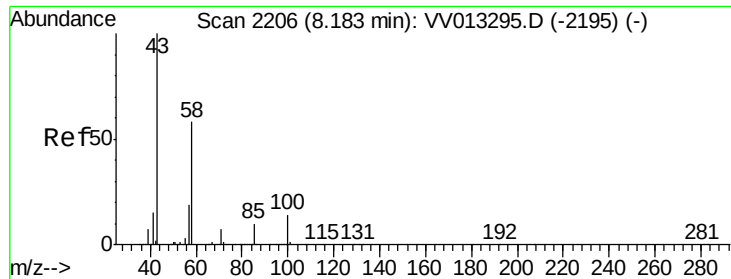
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



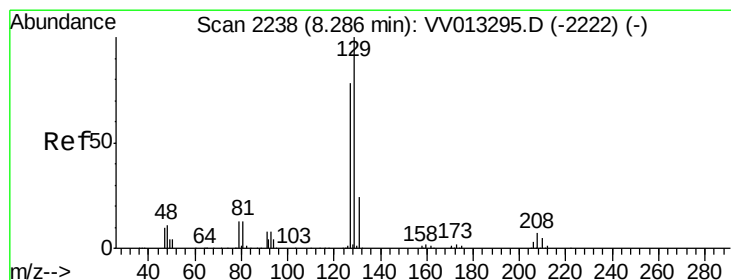
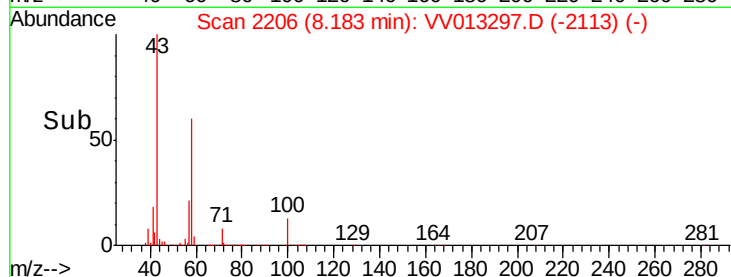
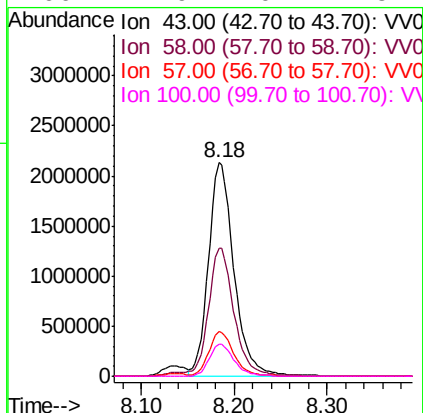
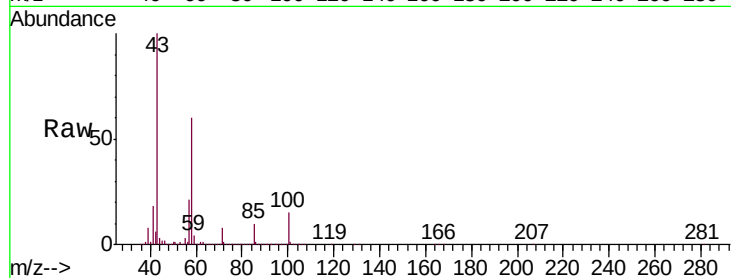


#48
2-Hexanone
Concen: 409.992 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion: 43 Resp: 4037056

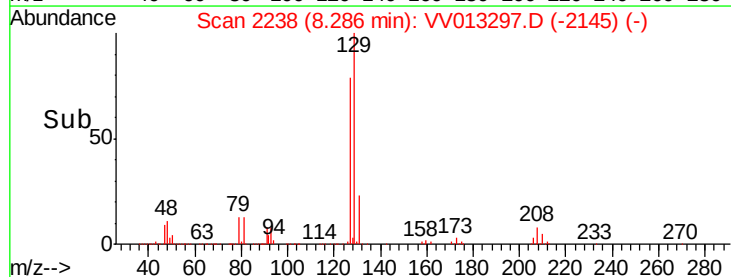
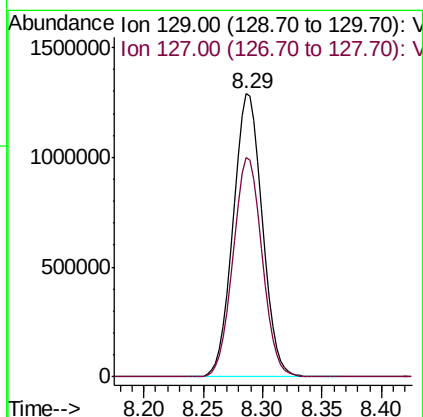
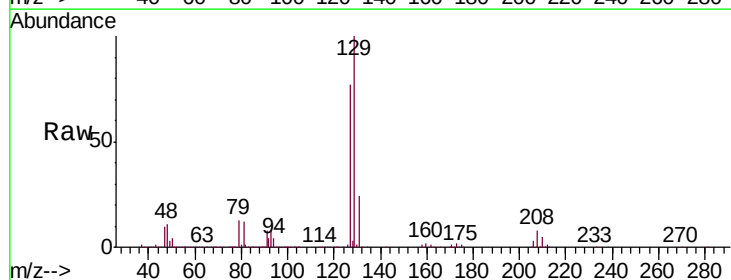
Ion	Ratio	Lower	Upper
43	100		
58	60.0	47.0	70.6
57	20.5	13.8	20.8
100	14.9	10.2	15.4

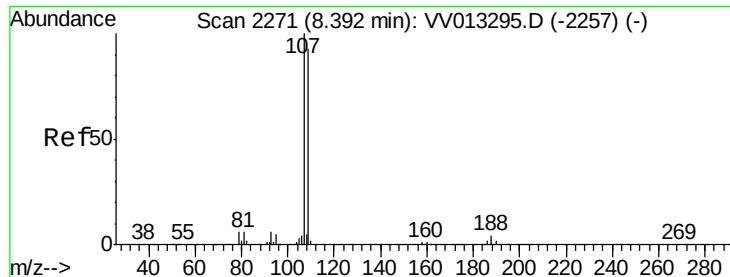


#49
Dibromochloromethane
Concen: 215.581 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion: 129 Resp: 2191365

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.7	101.5

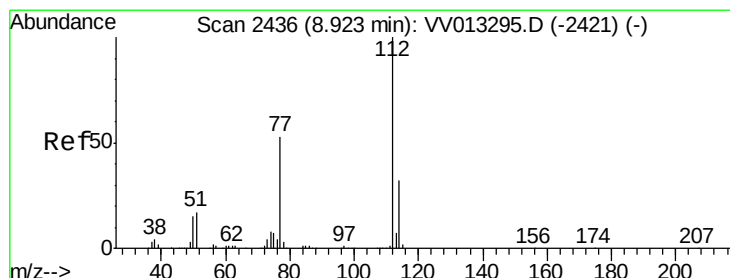
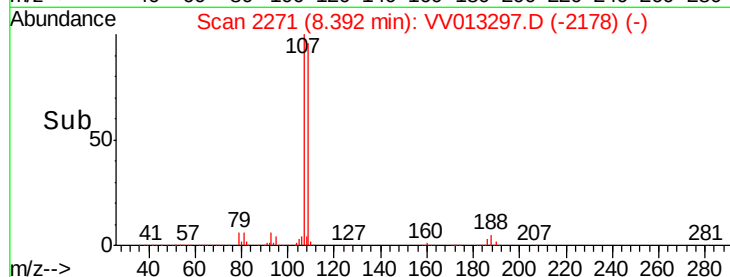
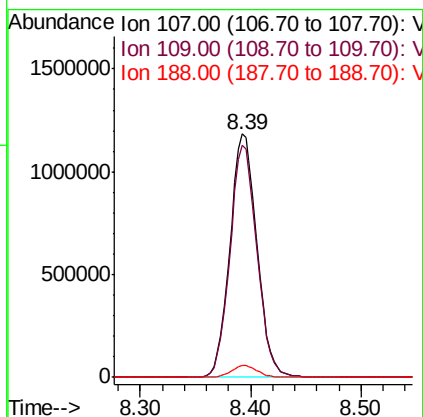
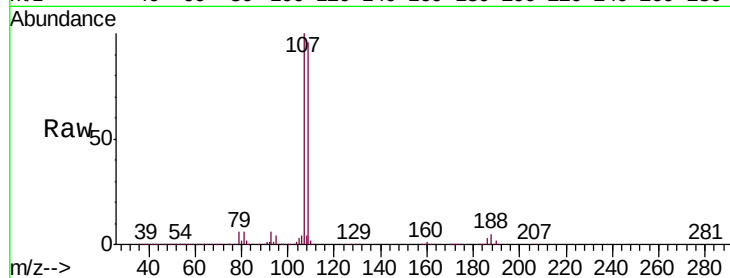




#50
1,2-Dibromoethane
Concen: 206.653 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

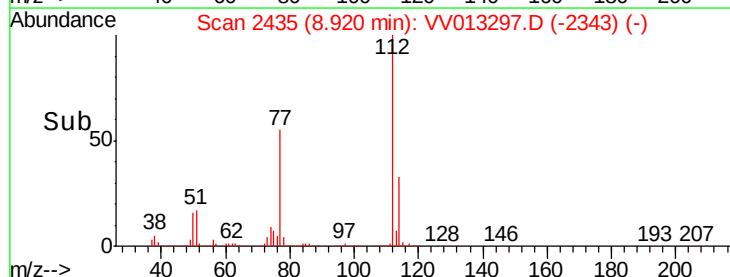
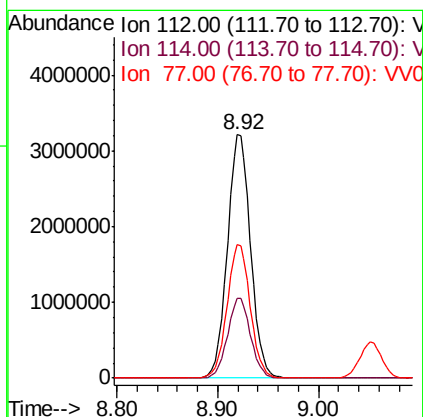
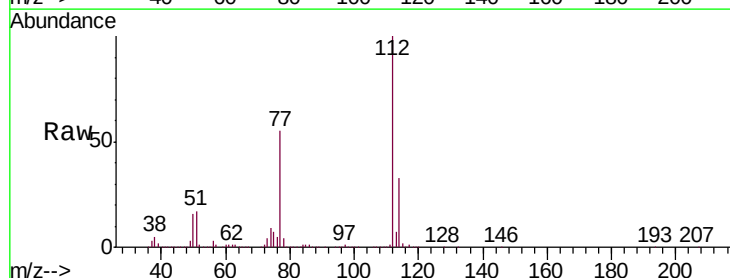
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

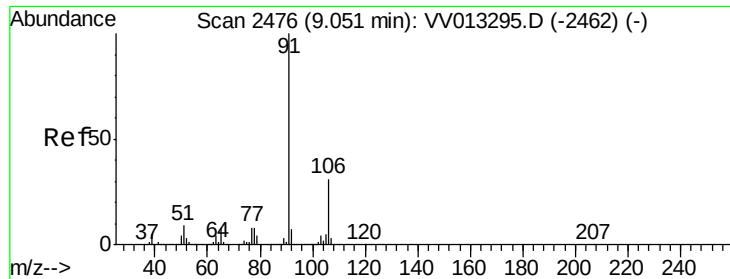
Tgt Ion:107 Resp: 2009733
Ion Ratio Lower Upper
107 100
109 95.5 65.4 121.4
188 4.8 3.4 5.2



#51
Chlorobenzene
Concen: 201.504 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013297.D
Acq: 23 Oct 2019 11:50

Tgt Ion:112 Resp: 5156229
Ion Ratio Lower Upper
112 100
114 32.8 22.7 42.3
77 55.1 42.5 63.7





#52

Ethylbenzene

Concen: 203.886 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

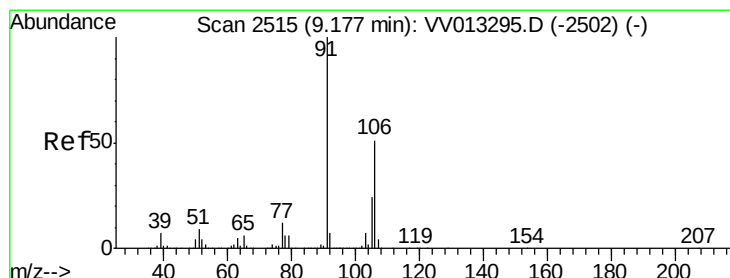
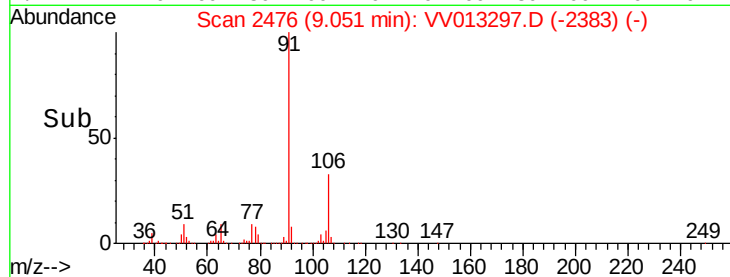
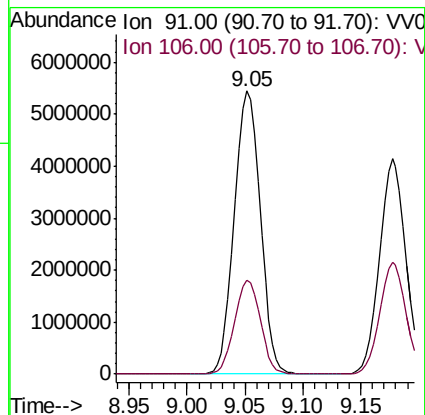
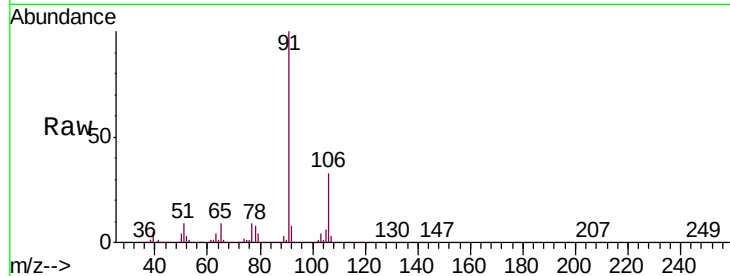
VSTD20063

Tgt Ion: 91 Resp: 8442189

Ion Ratio Lower Upper

91 100

106 33.2 22.0 40.8



#53

m,p-Xylene

Concen: 217.736 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013297.D

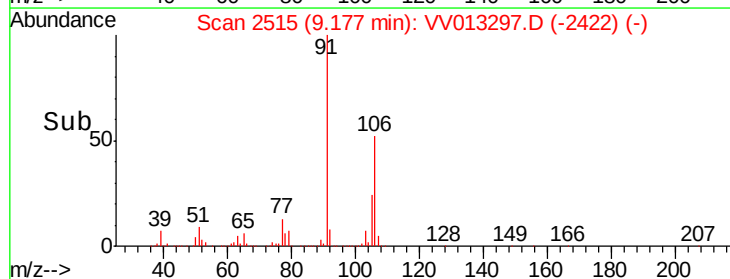
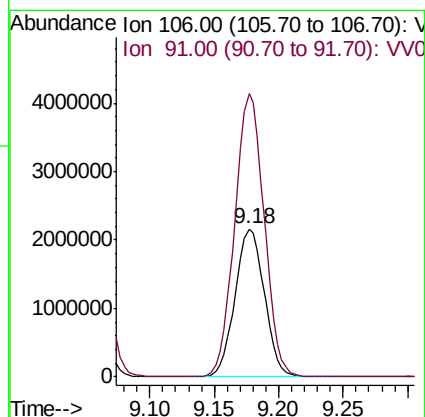
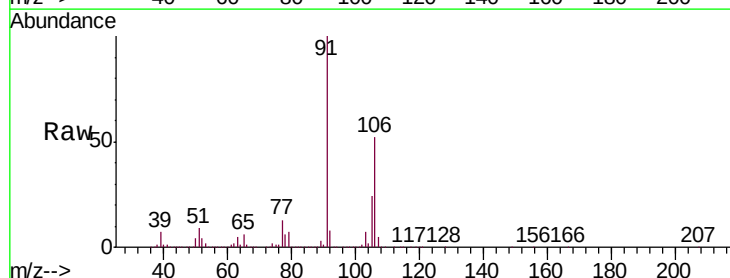
Acq: 23 Oct 2019 11:50

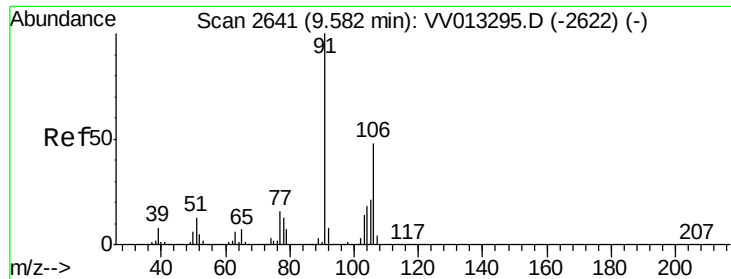
Tgt Ion: 106 Resp: 3411951

Ion Ratio Lower Upper

106 100

91 191.4 137.7 255.7





#54

o-xylene

Concen: 214.258 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

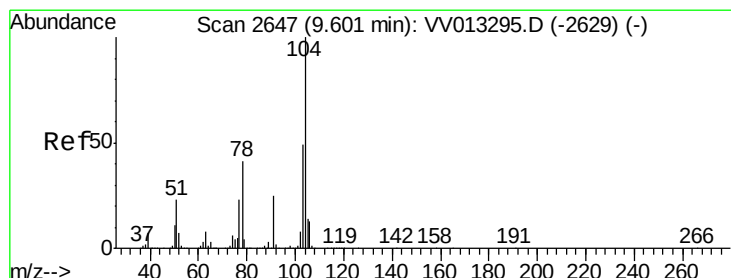
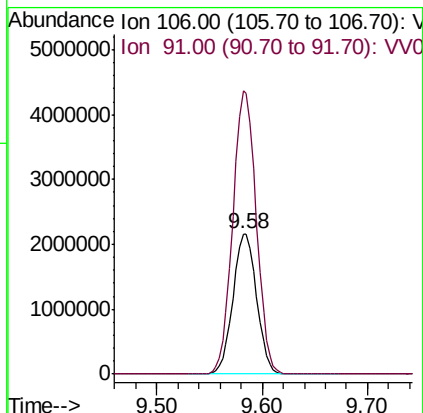
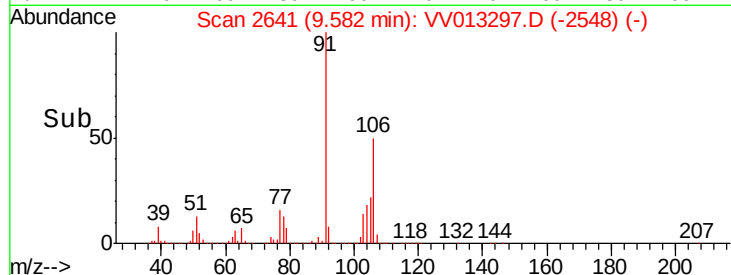
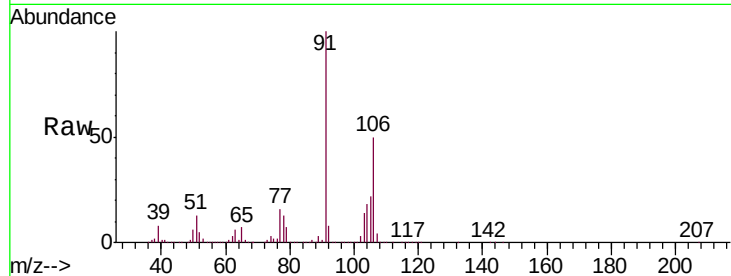
VSTD20063

Tgt Ion:106 Resp: 3343794

Ion Ratio Lower Upper

106 100

91 201.3 146.2 271.6



#55

Styrene

Concen: 221.094 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013297.D

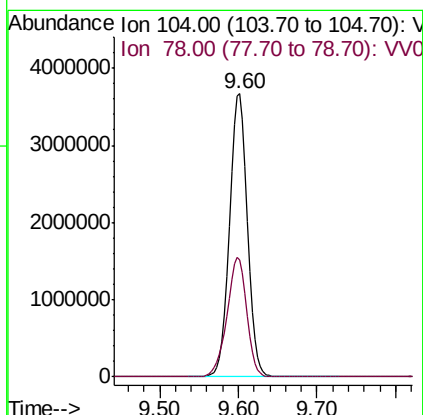
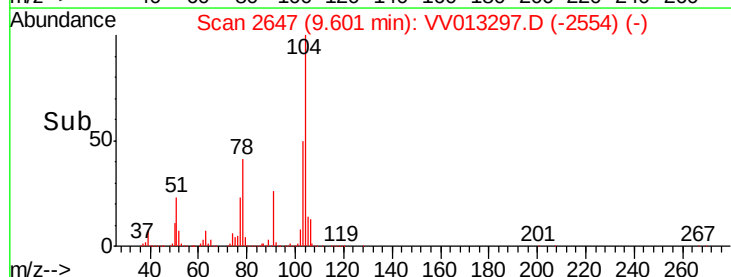
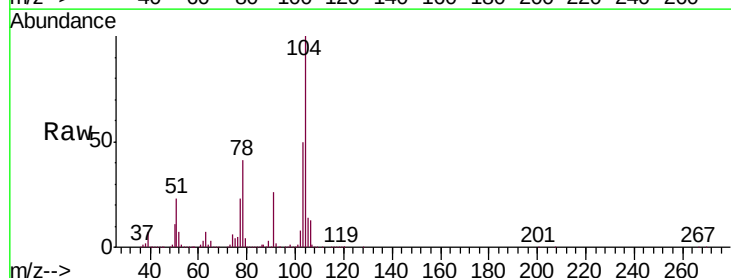
Acq: 23 Oct 2019 11:50

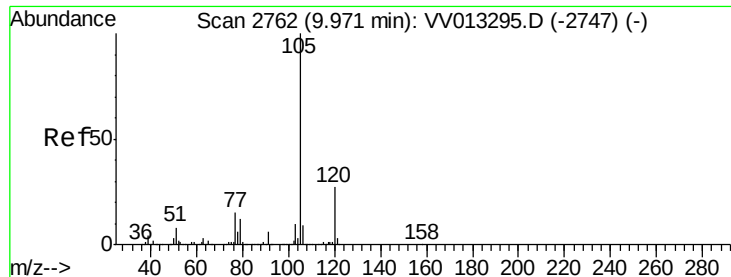
Tgt Ion:104 Resp: 5716389

Ion Ratio Lower Upper

104 100

78 41.4 28.9 53.7





#56

Isopropylbenzene

Concen: 210.638 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

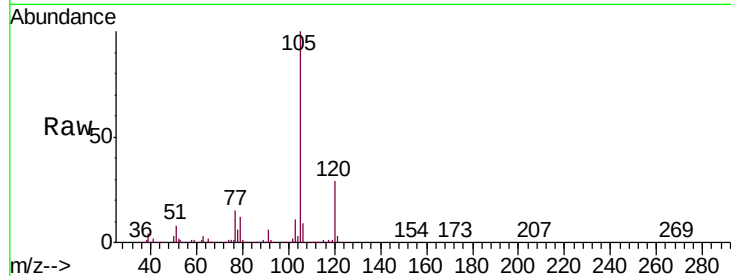
Tgt Ion:105 Resp: 8446860

Ion Ratio Lower Upper

105 100

120 28.1 21.7 32.5

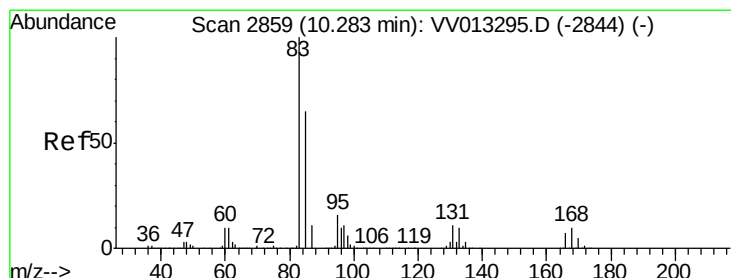
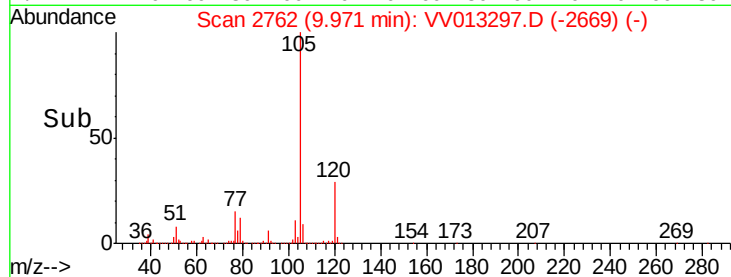
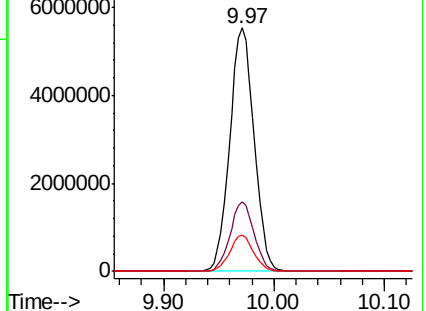
77 14.6 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 208.521 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

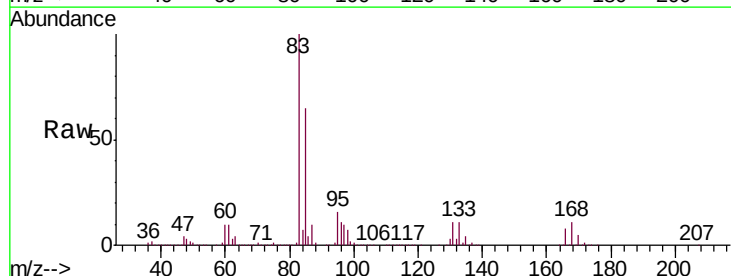
Tgt Ion: 83 Resp: 2832007

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1

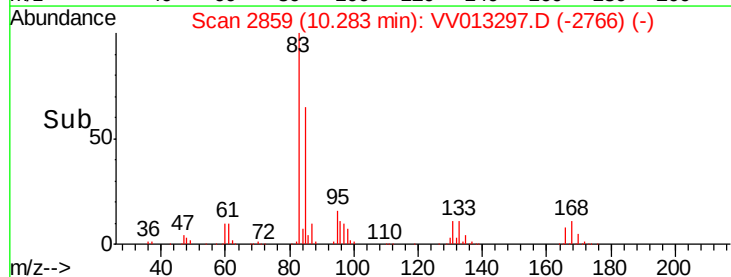
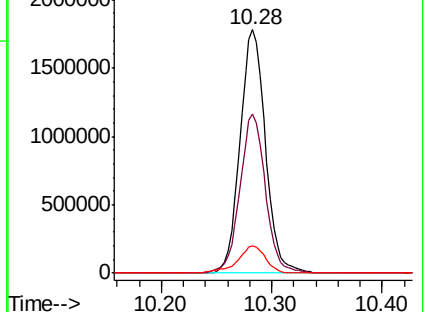
131 11.2 8.6 13.0

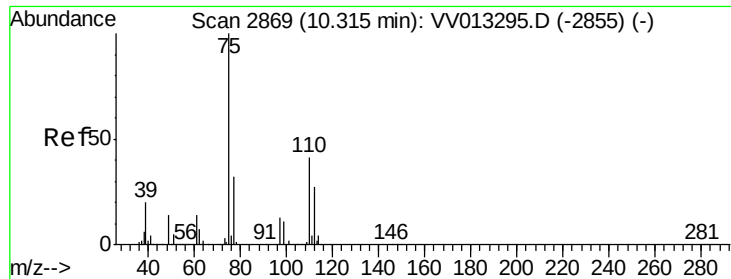


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 193.266 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

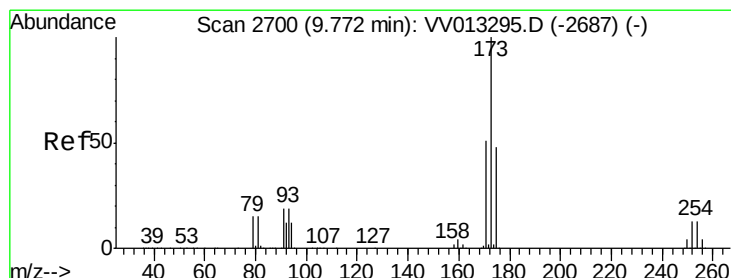
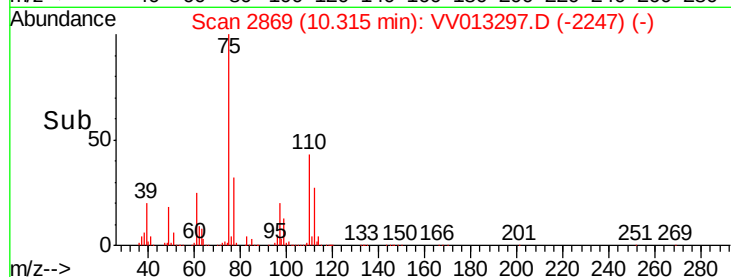
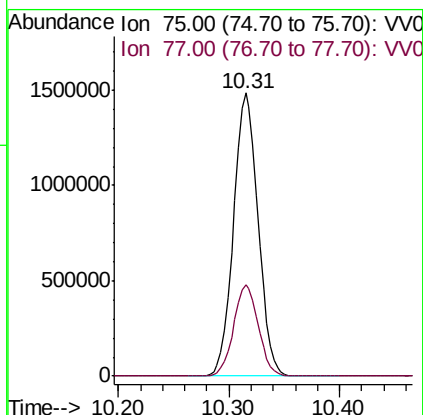
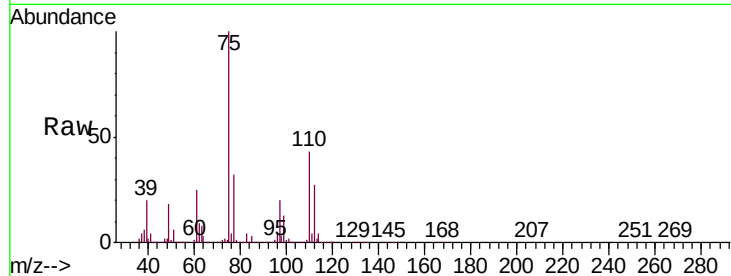
VSTD20063

Tgt Ion: 75 Resp: 2285698

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 204.922 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

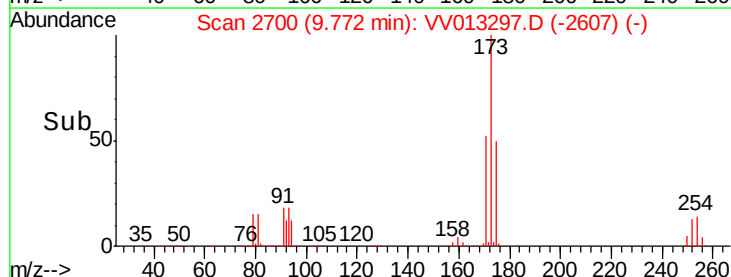
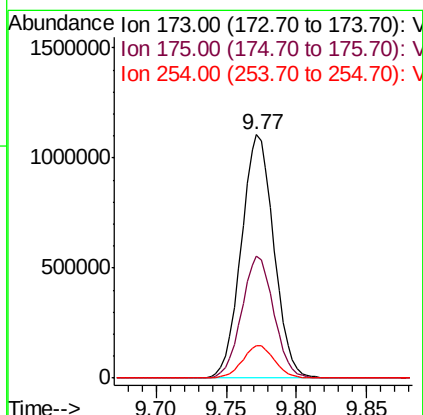
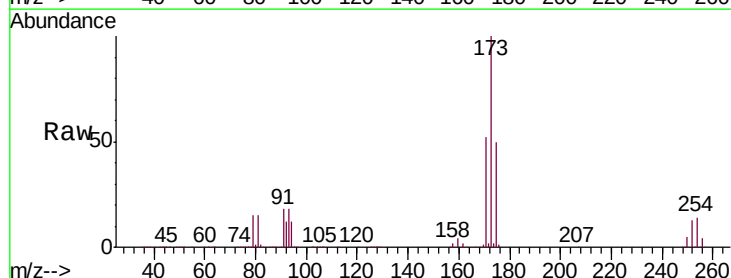
Tgt Ion: 173 Resp: 1789346

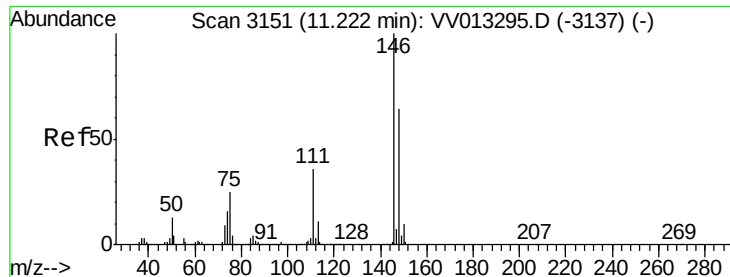
Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

254 13.2 10.2 15.4





#62

1,3-Dichlorobenzene

Concen: 195.184 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

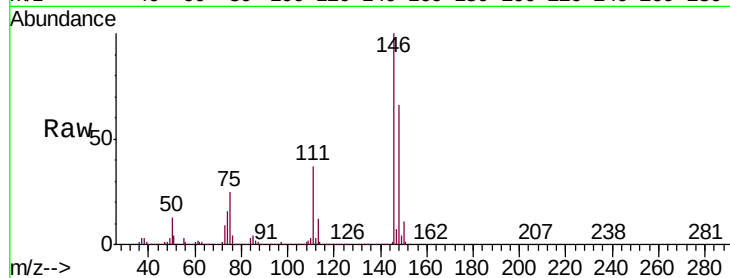
Tgt Ion:146 Resp: 4382877

Ion Ratio Lower Upper

146 100

111 37.1 25.4 47.2

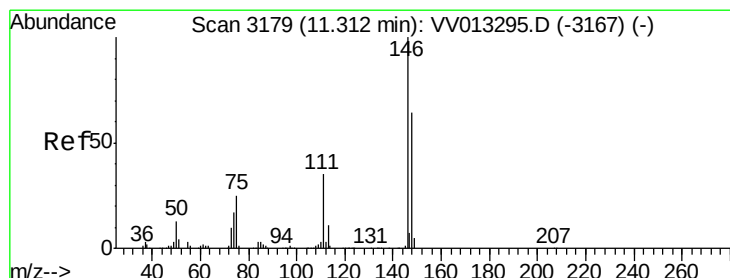
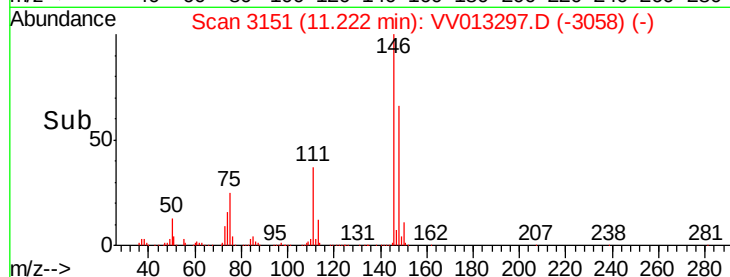
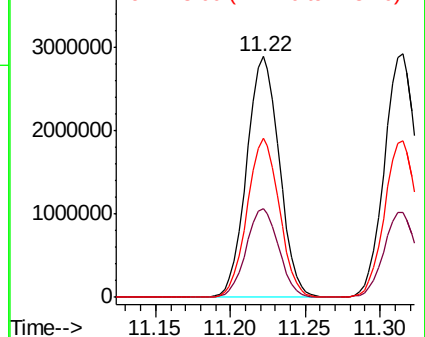
148 65.8 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 196.776 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

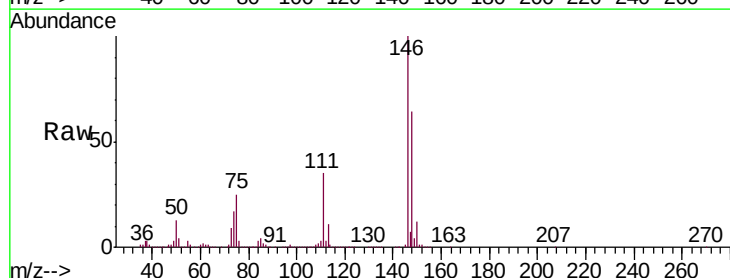
Tgt Ion:146 Resp: 4446564

Ion Ratio Lower Upper

146 100

111 34.9 24.5 45.5

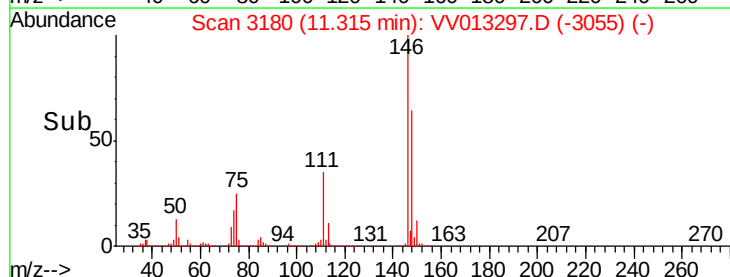
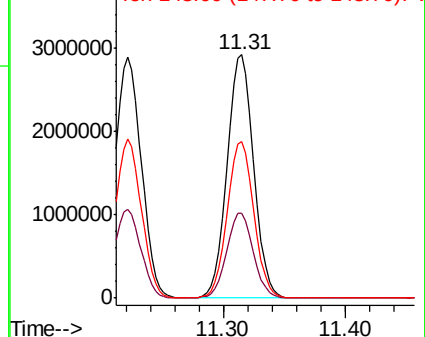
148 64.4 45.0 83.6

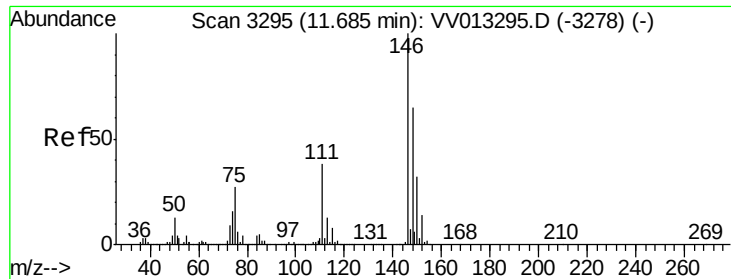


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

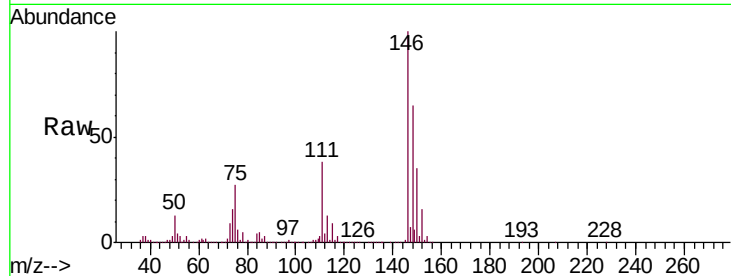




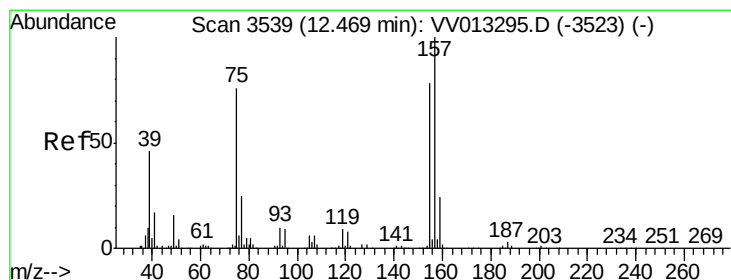
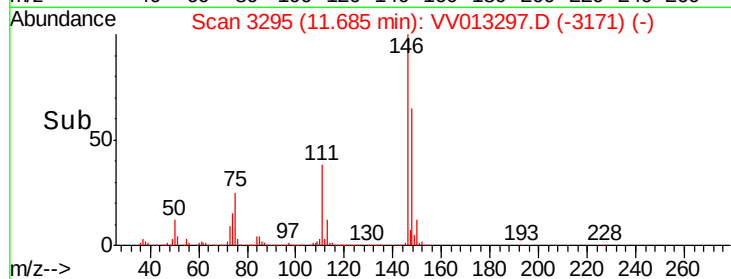
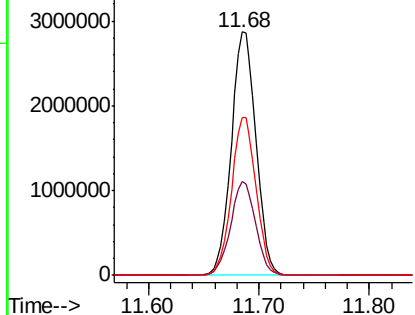
#65
 1,2-Dichlorobenzene
 Concen: 194.388 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tgt Ion:146 Resp: 4441367
 Ion Ratio Lower Upper
 146 100
 111 38.5 30.7 46.1
 148 64.8 52.0 78.0

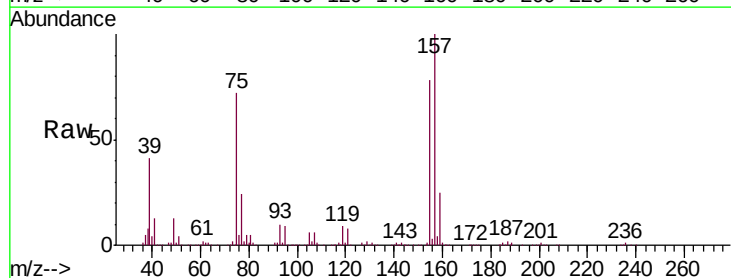


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

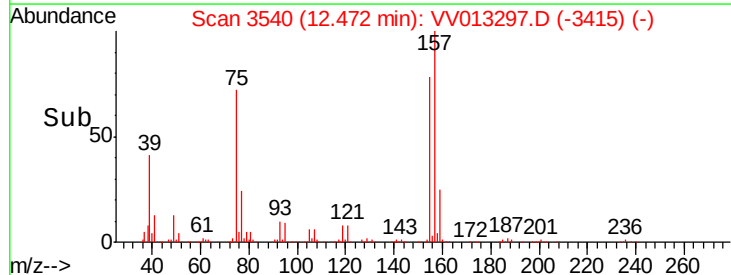
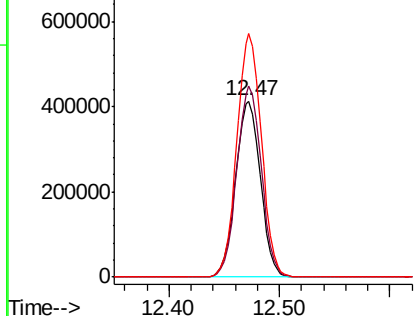


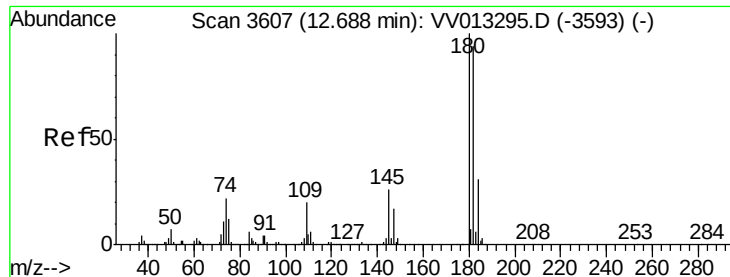
#66
 1,2-Dibromo-3-chloropropane
 Concen: 196.092 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Tgt Ion: 75 Resp: 643061
 Ion Ratio Lower Upper
 75 100
 155 108.2 81.8 122.8
 157 138.2 105.4 158.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

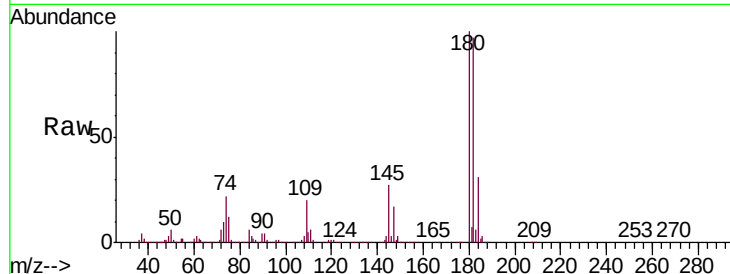




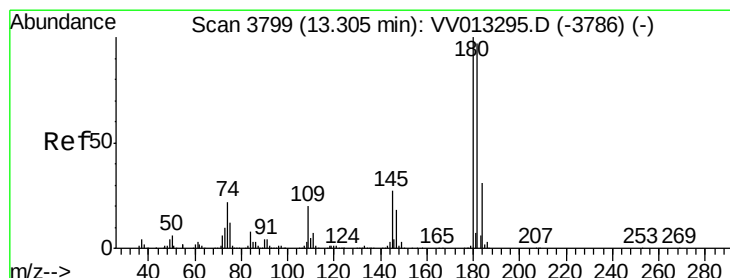
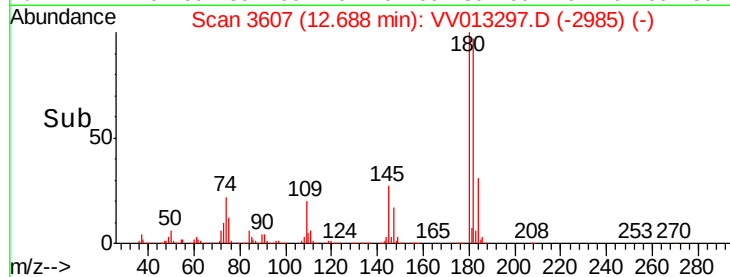
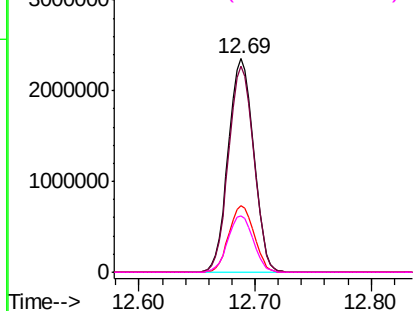
#67
 1,3,5-Trichlorobenzene
 Concen: 220.872 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tgt Ion:180 Resp: 3564826
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 184 30.9 24.8 37.2
 145 26.4 21.2 31.8

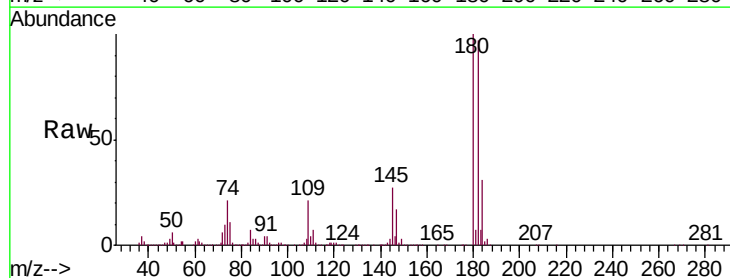


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

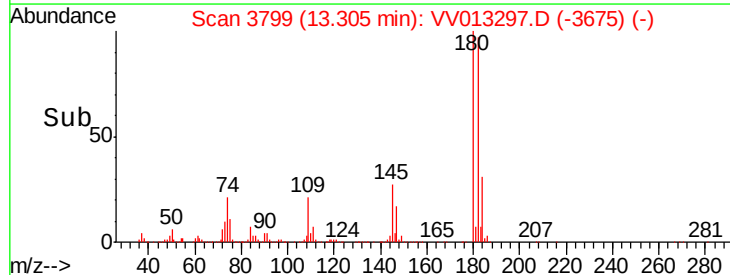
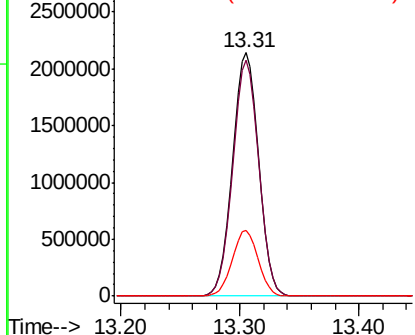


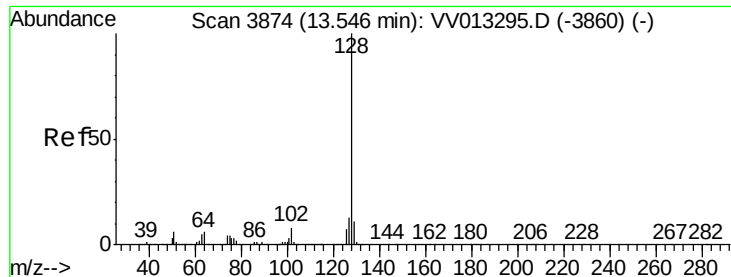
#68
 1,2,4-trichlorobenzene
 Concen: 235.699 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013297.D
 Acq: 23 Oct 2019 11:50

Tgt Ion:180 Resp: 3253965
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.3 115.9
 145 27.0 21.7 32.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 236.995 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

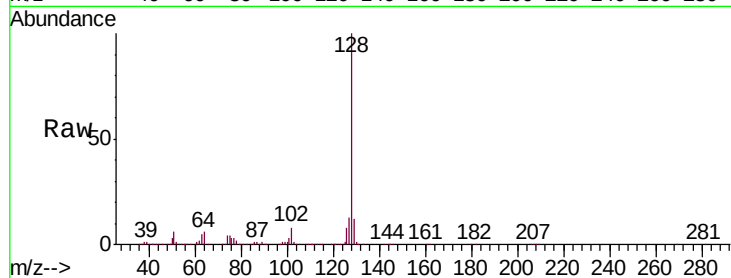
Tgt Ion:128 Resp: 8996924

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

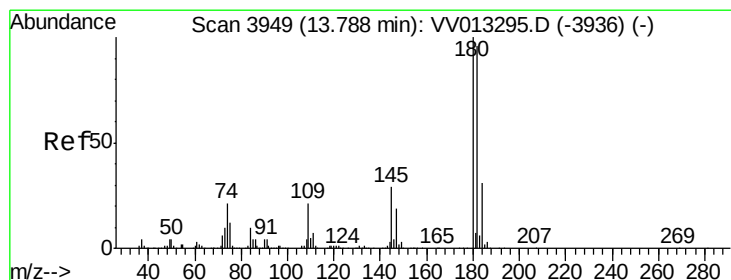
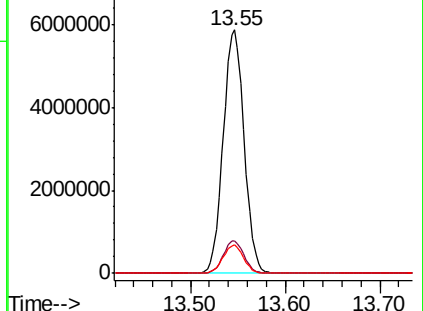
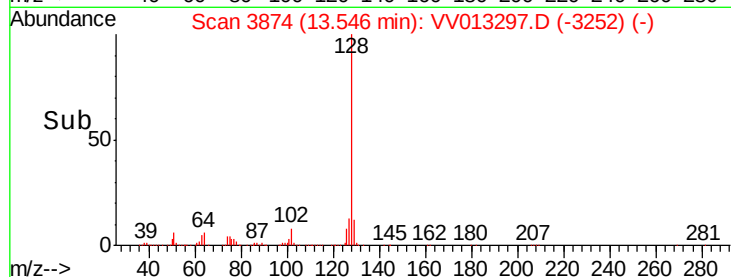
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 221.476 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013297.D

Acq: 23 Oct 2019 11:50

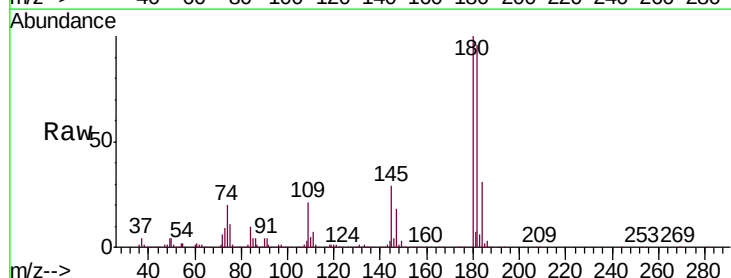
Tgt Ion:180 Resp: 3274235

Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.6

145 28.9 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

